

**From:** Price David [DPrice5@schools.nyc.gov]  
**Sent:** Monday, January 09, 2017 12:48 PM  
**To:** Quinn Peter; Roughley Jack; Gupta Lovlish  
**CC:** Siciliano Lauren; Paone Alex; Bochner Robin  
**Subject:**

**Attachment(s):** "

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**From:** Hayes, Michael [mailto:MHayes@doitt.nyc.gov]  
**Sent:** Sunday, January 08, 2017 5:30 PM  
**To:** Bochner Robin <RBochner2@schools.nyc.gov>; Price David <DPrice5@schools.nyc.gov>  
**Cc:** Bezman, Steven <sbezman@doitt.nyc.gov>  
**Subject:**

here is the registered version of the PowerSchool contract which was sent to PowerSchool.

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**From:** Simms, Paul  
**Sent:** Wednesday, January 04, 2017 11:01 AM  
**To:** Rich Safton <[richsafton@powerschool.com](mailto:richsafton@powerschool.com)>  
**Cc:** Hayes, Michael <[MHayes@doitt.nyc.gov](mailto:MHayes@doitt.nyc.gov)>; Aboulafia, Robert <[raboulafia@doitt.nyc.gov](mailto:raboulafia@doitt.nyc.gov)>  
**Subject:**

Rich,

I am pleased to inform you that the Office of the Comptroller has registered the subject agreement for Contract No:**CT1-858-20171412466**. The base term of the contract will be for five (5) years from the date of the Notice to Proceed (NTP). A hard copy of the attached NTP and Contract Agreement will be mailed to you. Please reference this contract number in all correspondence and invoices related to the contract.



January 4, 2017

Rich Safton, East Region VP Sales  
PowerSchool Group LLC  
150 Parkshore Drive  
Folsom, CA 95630

Re: **NOTICE TO PROCEED** – TINET Enhancement Support, Maintenance and Training  
Contract #: CT1-858-20171412466 / E-PIN #:

Dear Mr. Safton:

Enclosed is the fully executed contract (CT1-858-20171412466) for the above noted subject for a maximum payable amount of \$6,364,541.00. The Office of the Comptroller registered the contract on January 3, 2017. The term of the contract shall be for five (5) years from the date of the written notice to proceed. The DoITT project manager for this contract is Michael Hayes – Senior Manager, Project Services, whose telephone number is, (718) 403-8004. He will coordinate all activity on the contract. Please reference the above contract number on all correspondence related to the contract and all invoices submitted for payment. Also ensure that all invoices that are submitted for payment are on company letterhead and contain the information listed below; invoices lacking any of this information may be returned.

1. Address all invoices to: Audits & Accounts, DoITT – City of New York, 255 Greenwich Street– 9<sup>th</sup> Floor, New York, New York 10007
2. Vendor name, address and contact name and phone number should be prominently displayed (vendor address must be the same as it appears on the W – 9 submission)
3. Vendor Tax Identification Number (TIN)
4. Contract Number
5. Invoice number and date of invoice
6. Invoice service period and date of delivery
7. Detailed description of equipment/service being invoiced (i.e., line item description of services provided, line item description of goods purchased, number of units provided by unit cost and total cost, etc.)
8. Remittance address, if different than the invoice address (Note: the remittance address must appear on the W-9 submission)

For all issues regarding payment, please contact DoITT Audit & Accounts at (212) 788-6330. For all other contractual issues, please contact the Contract Manager, Paul Simms at (212) 788-6274.

Very truly yours,

A handwritten signature in blue ink, appearing to read "John Katsorhis".

John Katsorhis

Agency Chief Contracting Officer (ACCO)

C: M. Hayes, J. Winker, V. Ahern, File

VNC-858-090616001320 1

**From:** Spencer Mark [MSpence@schools.nyc.gov]  
**Sent:** Friday, July 07, 2017 9:04 AM  
**To:** Quinn Peter; White Desmond  
**CC:** Louie David  
**Subject:** RE: FW:  
**Attachment(s):**

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**From:** Quinn Peter  
**Sent:** Friday, July 07, 2017 8:54 AM  
**To:** White Desmond <dwhite2@schools.nyc.gov>; Spencer Mark <MSpence@schools.nyc.gov>  
**Cc:** Louie David <DLouie2@schools.nyc.gov>  
**Subject:** RE: FW:

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**From:** White Desmond  
**Sent:** Friday, July 07, 2017 8:52 AM  
**To:** Quinn Peter <[PQuinn1@schools.nyc.gov](mailto:PQuinn1@schools.nyc.gov)>; Spencer Mark <[MSpence@schools.nyc.gov](mailto:MSpence@schools.nyc.gov)>  
**Cc:** Louie David <[DLouie2@schools.nyc.gov](mailto:DLouie2@schools.nyc.gov)>  
**Subject:** RE: FW:

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**From:** Quinn Peter  
**Sent:** Friday, July 07, 2017 8:26 AM  
**To:** White Desmond <[dwhite2@schools.nyc.gov](mailto:dwhite2@schools.nyc.gov)>; Spencer Mark <[MSpence@schools.nyc.gov](mailto:MSpence@schools.nyc.gov)>  
**Subject:** RE: FW:

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**From:** White Desmond  
**Sent:** Friday, July 07, 2017 8:19 AM  
**To:** Spencer Mark <[MSpence@schools.nyc.gov](mailto:MSpence@schools.nyc.gov)>; Quinn Peter <[PQuinn1@schools.nyc.gov](mailto:PQuinn1@schools.nyc.gov)>  
**Subject:** Re: FW:

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**From:** Quinn Peter  
**Sent:** Friday, July 7, 2017 8:13:46 AM  
**To:** Spencer Mark; White Desmond  
**Subject:** FW:

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**From:** Belgrave Tracy  
**Sent:** Friday, July 07, 2017 8:00 AM  
**To:** Quinn Peter <[PQuinn1@schools.nyc.gov](mailto:PQuinn1@schools.nyc.gov)>  
**Subject:** RE:

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**From:** Quinn Peter  
**Sent:** Friday, July 7, 2017 7:39:24 AM  
**To:** Belgrave Tracy  
**Subject:** RE:

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**From:** Belgrave Tracy  
**Sent:** Thursday, July 06, 2017 6:10 PM  
**To:** Quinn Peter <[PQuinn1@schools.nyc.gov](mailto:PQuinn1@schools.nyc.gov)>  
**Subject:** FW:

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**From:** Belgrave Tracy  
**Sent:** Thursday, July 06, 2017 5:50 PM  
**To:** Cherfils Jean <[JCherfi@schools.nyc.gov](mailto:JCherfi@schools.nyc.gov)>  
**Subject:**



# **MEMORANDUM of UNDERSTANDING**

**Between**

**THE NEW YORK CITY DEPARTMENT OF INFORMATION TECHNOLOGY AND  
TELECOMMUNICATIONS**

**and**

**THE NEW YORK CITY DEPARTMENT OF EDUCATION  
DEPARTMENT OF EDUCATION COMPUTER FUNCTIONS TRANSFER AND INTRA-CITY  
COOPERATIVE AGREEMENT**

INTRA-CITY COOPERATIVE MEMORANDUM OF UNDERSTANDING (“**MOU**” or “**Agreement**”), dated October 7, 2015, between the New York City Department of Education (“**DOE**”), with principal offices at 52 Chambers Street, New York, New York 10007, and the New York City Department of Information Technology and Telecommunications (“**DOITT**”), which is located at 255 Greenwich Street, New York, New York 10007. DOE and DoITT are each referred to as a “**party**” and collectively as the “**parties**”.

## **WITNESSETH:**

DOE and DOITT entered into three prior memoranda of understanding relating to the provision of information technology services and support by DoITT to DOE on September 16, 2004, February 1, 2005 and August 23, 2013.

The August 23, 2013 memorandum of understanding expires on June 30, 2015. During the term of that memorandum of understanding, DOE, with DoITT’s assistance, relocated technology equipment used by DOE from DoITT’s 2 MetroTech data center to its 11 MetroTech data center.

The parties agree as follows:

### **1. TERM OF THE AGREEMENT**

- a. The term of this agreement shall be from July 1, 2015 to June 30, 2017, at which time both parties will reevaluate the relationship described in this MOU and sign a new agreement. This Agreement is to be reviewed and renewed by both parties every two Fiscal Years. Each party shall have the option to cancel this MOU in part or in its entirety for convenience upon sixty (60) days’ advance written notice to the other party.
- b. This MOU supersedes and replaces the memoranda of understanding between DOE and DOITT dated September 16, 2004, February 1, 2005 and August 23, 2013.

### **2. SCOPE OF THE AGREEMENT**

- a. For DoITT’s data center located at 11 MetroTech, DoITT shall be responsible for providing, supporting and maintaining all (as applicable) infrastructure services involving: operating systems, database support, data center operations, facilities management, physical security, disaster recovery, and all related administration associated with these aspects of the DOE mainframe operation.
- b. DOE will continue to provide and perform all other functions relating to application security, security administration, production control, application support, change

management, risk assessments, capacity planning, print job monitoring and management for all DOE equipment and systems that are located in DoITT's 11 MetroTech Data Center or at any other location.

- c. DOE will ensure that its use of the services provided or made available to it by DoITT under this MOU, including the use of DoITT's data center, IT infrastructure and professional and other services, complies with all applicable data privacy and security laws and regulations.
- d. DoITT shall provide a 24x7 operation for DOE mainframe based systems and applications, except for a maintenance window every Sunday morning; currently five hours, from 5:00 am through 10:00 am, and during unavoidable or unscheduled hardware/software/environmental outages. DoITT will forgo a specific maintenance window, provided DOE management notifies DoITT at least five days in advance and the maintenance is not required to address an imminent risk to the security or health of DoITT's network. If the five-hour window is deemed inadequate for a particular Sunday, DoITT will extend it, as necessary, beyond 10:00 am.

### 3. FINANCIAL TERMS

The last upgrade of the mainframe, which services the DOE's core operations, was during FY12. For the duration of this MOU, no additional upgrades are currently anticipated by DOE. DoITT is not obligated to incur any cost or expense on behalf DOE prior to getting the funds from DOE

- a. DOE shall remain financially responsible for the maintenance of its Wintel servers and all other non-mainframe servers, software, data equipment and other items moved to 11 Metro Tech Center, Brooklyn, New York 11201, as well as all network infrastructure equipment, printer functions (whether in-house or outsourced), DOE's SONET Ring, Internet circuits and all other hardware and software not explicitly included in Attachment A.
- b. To the extent that DoITT, subsequent to the date of this agreement forecasts that the current annual amount is insufficient, DoITT shall submit documentation evidencing such insufficiency to OMB for their review and recommendation. Such budget requests will be considered as part of the City's financial plan process. For any increases to software and hardware maintenance due to inflation, DOITT will account for those costs and work with OMB to address any funding needs.
- c. DoITT shall submit the supporting documentation of any expenses incurred or payments due, to DOE for its review and approval. Upon receipt, DOE will review and approve or reject the supporting documentation within a reasonable time.
- d. DOE is not responsible for any increased costs due to salary increases for the listed staff during the term of this Agreement above the total reimbursable amount set forth in Attachment A (\$1,680,485 for FY16 and \$1,756,631 for FY17). In addition, DOE is not responsible for any increases due to CB (Collective Bargaining) for listed staff. Any costs related to CB increases should be addressed to OMB by DoITT. In total, payment transfers under this Agreement shall not exceed actual costs incurred related to this Agreement.

### 4. BUDGETING

- a. Upon execution of this agreement, DOE will set up a baseline intra-city mod to transfer funding to DoITT for FY16, FY17, and each of the subsequent out-years. The amount projected for FY17 will be used as the base amount for FY18 and the out-years. For future costs starting in FY18, DOE will execute Intra-city mods to either take back or transfer additional funding to DoITT to cover the difference, depending on the projected cost for those fiscal years.

5. UPGRADES

- a. Although no future upgrades are anticipated by DOE during the term of this MOU, if future upgrades are deemed necessary by the DOE to increase the capacity for the DOE mainframe system, DOE will compensate DoITT for all of the costs associated with the upgrades by transferring the funds to DoITT in advance of each upgrade.
- b. If DOE has insufficient funds within their existing Expense Budget, DOE will work with its taskforce at OMB to have the funds available and transferred to DoITT. DoITT is not obligated to incur maintenance costs associated with the upgrades on behalf DOE prior to getting the funds from DOE. DoITT will provide supporting documents for DOE's new needs requests to OMB. Any upgrades requiring the use of both Expense and Capital dollars must be approved together before transfer.

6. VOUCHERING/YEAR-END PROJECTION

DoITT will provide intra-city payment vouchers as well as expenditure reporting to DOE with copies sent to OMB as outlined below.

- a. DoITT will submit intra-city funds payment vouchers to DOE at the end of the fiscal year. The vouchers will include the appropriate supporting documentation.
- b. On or before May 1st of each year of this Agreement, DoITT will provide DOE with a current year end projection of expenditures for the respective fiscal year.
- c. By August 15th of each year of this Agreement, DoITT will provide DOE with a final year-end spending report of the respective prior fiscal year. The report will include expenditures by vendor and product.

7. SECURITY

- a. DOE shall comply with, and ensure that DOE employees, consultants and subcontractors (including consultant and subcontractor employees) comply with, the following policies and standards when accessing or using DoITT's IT infrastructure or data:
  - i. The Citywide Information Security Policies and Standards posted at <http://www.nyc.gov/html/doitt/html/business/security.shtml>, as they may be amended or placed on a successor site by DoITT; and
  - ii. The User Responsibility Policy posted at [http://www.nyc.gov/html/doitt/downloads/pdf/user\\_responsibilities.pdf](http://www.nyc.gov/html/doitt/downloads/pdf/user_responsibilities.pdf), as they may be amended or placed on a successor site by DoITT.

8. MISCELLANEOUS

- a. No amendment or waiver of any provisions of this Agreement shall be effective unless the same shall be in writing, signed by the parties.
- b. This Agreement may be executed in counterparts.
- c. This Agreement, including Attachment SCY and all of the documents incorporated by reference therein, constitutes the entire agreement of the parties relating to the subject matter of this Agreement and supersedes all prior oral or written agreements or policies relating thereto.
- d. All notices and requests under this Agreement must be in writing and the sending party must use one of the following methods of delivery: (i) personal delivery; (ii) registered or certified mail, in each case return receipt requested and postage prepaid; or (iii) nationally recognized overnight courier, with all fees prepaid. A notice or request will be deemed to be effective when it is signed for by the receiving party. To be valid, the notice or request must be addressed to the receiving party at one or more of the addresses listed below for the receiving party or to any other address designated by the receiving party in a notice sent in accordance with this Section 7(d).

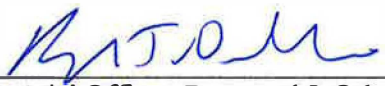
If to DoITT: Charles R. Fraser, Esq.  
General Counsel  
NYC Department of Information  
Technology & Telecommunications  
255 Greenwich Street, 9th Floor  
New York, NY 10007

If to DOE: Office of Legal Services  
Freddy Taveras, Esq.  
General Counsel  
NYC Department of Education  
52 Chambers Street, Room 308, Cubicle B2  
New York, NY 10007


DIIT  
Stephen Williams  
Budget Manager  
NYC Department of Education - DIIT  
335 Adams Street, Suite 2800  
Brooklyn, NY 11201

**[Remainder of Page Intentionally Blank – Signatures on Following Page]**


The parties are executing this Agreement as of the date set forth next to each of their signatures.

  
\_\_\_\_\_  
Chief Financial Officer, Raymond J. Orlando  
New York City Department of Education


10/26/15  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Chief Information Officer, Hal Friedlander  
New York City Department of Education

10/4/15  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Deputy Commissioner for Infrastructure Management, Michael Bimonte  
New York City Department of Information Technology and Telecommunications

11.23.15  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Deputy Commissioner for Administration, Annette Heintz  
New York City Department of Information Technology and Telecommunications

11/10/15  
\_\_\_\_\_  
Date

	FY15 MOU	% DOE Share FY16-17	Projected FY16 Cost	FY 2016 DOE Share	Projected FY17 Cost	FY 2017 DOE Share
<b>IBM Hardware Maintenance</b>						
Z196		100.0%	\$303,800	\$303,800	\$312,914	\$312,914
All Other HW Less Z10		46.7%	\$491,320	\$229,361	\$506,060	\$236,242
<b>IBM Hardware Maintenance Total</b>				<b>\$533,160</b>		<b>\$549,155</b>
<b>Monthly License Charges (figure below represents DOE's full share)</b>						
<b>Monthly License Charges Total</b>		<b>100.0%</b>	<b>\$3,202,678</b>	<b>\$3,202,678</b>	<b>\$3,362,812</b>	<b>\$3,362,812</b>
<b>IBM Software</b>						
Support Line & SW Excel		46.7%	\$224,076	\$104,604	\$230,798	\$107,742
Omegamon and Non-Omegamon		46.7%	\$3,493,002	\$1,630,621	\$3,842,303	\$1,793,683
Sterling Connect		100.0%	\$41,809	\$41,809	\$45,990	\$45,990
SW Maint for XIV		46.7%	\$50,607	\$23,625	\$52,125	\$24,333
<b>IBM Software Total</b>				<b>\$1,800,659</b>		<b>\$1,971,749</b>
<b>Non IBM Software Maintenance</b>						
Allen Systems - DOE			product no longer required			
Allen Systems - Shared			product no longer required			
CCA/Computer Corp of America/Rocket		100.0%	\$440,558	\$440,558	\$453,775	\$453,775
Chicago Soft		46.7%	\$39,417	\$18,408	\$40,994	\$19,144
Computer Associates (CA)		100.0%	\$2,537,229	\$2,537,229	\$2,537,229	\$2,537,229
Compuware		46.7%	\$966,779	\$451,486	\$966,779	\$451,486
Guarantee Records Mgmt		46.7%	\$67,014	\$31,295	\$69,024	\$32,234
Information Builders		100.0%	\$283,019	\$283,019	\$283,019	\$283,019
Innovation Data Processing		46.7%	\$46,546	\$21,737	\$54,432	\$25,420
Levy, Ray, Shoup*		51.8%	\$181,298	\$93,912	\$227,521	\$106,213
Open Connect		100.0%	\$155,386	\$155,386	\$161,362	\$161,362
PK Ware		100.0%	\$27,064	\$27,064	\$27,064	\$27,064
Rocket (Mainstar)		46.7%	\$16,475	\$7,694	\$16,475	\$7,694
SAS Institute*		51.8%	\$1,407,850	\$729,266	\$1,580,770	\$737,943
Sirius/Rocket		100.0%	\$105,538	\$105,538	\$108,704	\$108,704
Ventyx		100.0%	\$221,607	\$221,607	\$225,928	\$225,928
<b>Non IBM Software Maintenance Total</b>				<b>\$5,124,199</b>		<b>\$5,177,214</b>

	FY15 MOU	% DOE Share FY16-17	Projected FY16 Cost	FY 2016 DOE Share	Projected FY17 Cost	FY 2017 DOE Share
<b>Mainframe Consultant (John Corbett)</b>						
Mainframe Consultant (J.Corbett) Total		46.7%	\$380,175	\$177,542	\$391,580	\$182,868
				FY 16 MOU Estimate		FY 17 MOU Estimate
Total OTPS Expenses				\$10,838,238		\$11,243,798
Baseline PS Expenses as per 10.31.04 MOU				\$1,517,148		\$1,517,148
Collective Bargaining Rec'd from OMB FY16 Jan Plan				\$163,337		\$239,483
Total PS Expenses				\$1,680,485		\$1,756,631
Grand Total Expenditures	\$12,216,355			\$12,518,723		\$13,000,429
Year to Year Growth				2.5%		3.8%

**Current FMS Status**

Current OTPS I/C	\$	9,481,022	\$	9,481,022
Current PS I/C	\$	1,517,148	\$	1,517,148
Collective Bargaining Rec'd From OMB	\$	163,337	\$	239,483
<b>Current Base I/C in FMS</b>	<b>\$</b>	<b>11,161,507</b>	<b>\$</b>	<b>11,237,653</b>
<b>Surplus/(Need)</b>	<b>\$</b>	<b>(1,357,216)</b>	<b>\$</b>	<b>(1,762,776)</b>

\* For Levy, Ray and Shoup and SAS: FY16 base is per the existing contract thus 51.8% of MIPS is applied. FY17 is based on the new contract quote of \$227,521 and DOE is allocated 46.7% based on the MIPS.

**MIPS Allocation****FY15 Jul-Oct**

Z196 MIPS (DOE)	4,320	46.7%
Z10 MIPS (FY15)/ EC12 MIPS (FY16-17)	4,934	53.3%
Total	9,254	100.0%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2	Changes 6/5/17																			
3	projected costs by DC Site location																			
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1	Latest Copy												
2	Date	6/5/2017											
3	Next Generation Network												
4	Line Item Description												
5		Year 1		Year 2		Year 3		Year 4		Year 5		Total - 5 Years	
6	Funding Model Sources	Capital \$	TaxLevy \$	Capital \$	TaxLevy \$	Capital \$	TaxLevy \$	Capital \$	TaxLevy \$	Capital \$	TaxLevy \$	Capital \$	TaxLevy \$
7													
8	Personnel Services	Year 1		Year 2		Year 3		Year 4		Year 5		Total - 5 Years	
9	Load Balancing, Network Traffic Architect (1 FTE)	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ -	\$ 120,000.00	\$ -	\$ 600,000.00
10	Information Security Engineer (1 FTE)	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 500,000.00
11	Intrusion Prevention Systems Engineer (2 FTE)	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00	\$ -	\$ 200,000.00	\$ -	\$ 1,000,000.00
12	Information Security Analyst (3 FTE)	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 1,500,000.00
13	Compliance Engineer (1 FTE)	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 100,000.00	\$ -	\$ 500,000.00
14	Network Operations Support (3 FTE)	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 300,000.00	\$ -	\$ 1,500,000.00
15	Total Costs	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 5,600,000.00
16	Infrastructure services (backup, storage, co-location, network nodes, desktop support, etc.)												
17	Software licenses/upgrades												
18	DC Site A - AssetGen	\$ 80,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000.00	\$ -
19	Admin Sites - Cisco*	\$ 164,700.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 164,700.00	\$ -
20	DC Site A - Cisco	\$ 895,054.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 895,054.50	\$ -
21	DC Site B - Cisco	\$ 538,864.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 538,864.50	\$ -
22	DC Site C - Cisco	\$ 56,455.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56,455.20	\$ -
23	DC Site A - Dynatrace	\$ 494,275.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 494,275.00	\$ -
24	DC Site A - EMC	\$ 289,330.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 289,330.48	\$ -
25	DC Site C - EMC	\$ 2,002,919.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,002,919.33	\$ -
26	DC Site A - F5 Load Balancer	\$ 253,639.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 253,639.58	\$ -
27	DC Site C - F5 Load Balancer	\$ 253,639.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 253,639.58	\$ -
28	DC Site A - Puppet	\$ 475,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,000.00	\$ -
29	DC Site A - RaMP PTS DCIM	\$ 450,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000.00	\$ -
30	DC Site A - Splunk	\$ 1,218,750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,218,750.00	\$ -
31	DC Site A - Veeam	\$ 433,260.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 433,260.00	\$ -
32	DC Site A - Zscaler*(Software Subscription)	\$ -	\$ 7,076,000.00	\$ -	\$ 7,288,280.00	\$ -	\$ 7,506,928.40	\$ -	\$ 7,732,136.25	\$ -	\$ 7,964,100.34	\$ -	\$ 37,567,444.99
33	Software support/maintenance												
34	DC Site A - Asset Management Tool	\$ -	\$ 16,000.00	\$ -	\$ 16,480.00	\$ -	\$ 16,974.40	\$ -	\$ 17,483.63	\$ -	\$ 18,008.14	\$ -	\$ 84,946.17
35	DC Site A - Cisco	\$ -	\$ 84,412.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,945.18	\$ -	\$ 89,553.54	\$ -	\$ 260,911.52
36	DC Site B - Cisco	\$ -	\$ 20,304.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,913.12	\$ -	\$ 21,540.51	\$ -	\$ 62,757.63
37	DC Site C - Cisco	\$ -	\$ 332,919.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 342,906.57	\$ -	\$ 353,193.77	\$ -	\$ 1,029,019.34
38	Admin Sites - Cisco	\$ -	\$ 74,131.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,355.14	\$ -	\$ 78,645.79	\$ -	\$ 229,132.13
39	DC Site A - EMC	\$ -	\$ 148,740.16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 153,202.36	\$ -	\$ 157,798.44	\$ -	\$ 459,740.96
40	DC Site C - EMC	\$ -	\$ 592,306.87	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 610,076.08	\$ -	\$ 628,378.36	\$ -	\$ 1,830,761.30
41	DC Site A - F5 Load Balancer	\$ -	\$ 70,191.56	\$ -	\$ 72,297.31	\$ -	\$ 74,466.23	\$ -	\$ 76,700.21	\$ -	\$ 79,001.22	\$ -	\$ 372,656.52
42	DC Site C - F5 Load Balancer	\$ -	\$ 70,191.56	\$ -	\$ 72,297.31	\$ -	\$ 74,466.23	\$ -	\$ 76,700.21	\$ -	\$ 79,001.22	\$ -	\$ 372,656.52
43	DC Site A - Puppet	\$ -	\$ 165,000.00	\$ -	\$ 169,950.00	\$ -	\$ 175,048.50	\$ -	\$ 180,299.96	\$ -	\$ 185,708.95	\$ -	\$ 876,007.41
44	DC Site A - RaMP PTS DCIM	\$ -	\$ 81,000.00	\$ -	\$ 83,430.00	\$ -	\$ 85,932.90	\$ -	\$ 88,510.89	\$ -	\$ 91,166.21	\$ -	\$ 430,040.00
45	DC Site A - Splunk	\$ -	\$ 243,750.00	\$ -	\$ 251,062.50	\$ -	\$ 258,594.38	\$ -	\$ 266,352.21	\$ -	\$ 274,342.77	\$ -	\$ 1,294,101.85
46	DC Site A - Zscaler	\$ -	\$ 975,000.00	\$ -	\$ 1,004,250.00	\$ -	\$ 1,034,377.50	\$ -	\$ 1,065,408.83	\$ -	\$ 1,097,371.09	\$ -	\$ 5,176,407.41
47	Hardware purchase and refresh		\$ -										
48	DC Site A - Cisco	\$ 5,829,595.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,829,595.80	\$ -
49	DC Site B - Cisco	\$ 4,148,737.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,148,737.20	\$ -
50	DC Site C - Cisco	\$ 1,674,201.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,674,201.00	\$ -
51	Admin Sites - Cisco*	\$ 2,449,495.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,449,495.50	\$ -
52	DC Site A - EMC	\$ 2,851,363.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,851,363.63	\$ -
53	DC Site B - EMC	\$ 845,768.90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 845,768.90	\$ -
54	DC Site C - EMC	\$ 6,036,068.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,036,068.58	\$ -
55	DC Site A - EXFO	\$ 123,798.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,798.75	\$ -
56	DC Site A - F5 Load Balancer	\$ 432,824.36	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432,824.36	\$ -
57	DC Site B - F5 Load Balancer	\$ 64,604.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64,604.58	\$ -
58	DC Site C - F5 Load Balancer	\$ 368,219.78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,219.78	\$ -
59	DC Site A - Netscout	\$ 4,669,115.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,669,115.00	\$ -
60	DC Site B - Netscout	\$ 2,685,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,685,100.00	\$ -
61	DC Site C - Netscout	\$ 1,557,490.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,557,490.00	\$ -
62	Admin Sites - Netscout	\$ 2,201,650.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,201,650.00	\$ -
63	DC Site A - Riverbed	\$ 1,691,063.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,691,063.00	\$ -
64	DC Site A - Teledyne	\$ 81,690.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,690.00	\$ -
65	Wireless Access Points	\$ 4,088,715.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,088,715.00	\$ -
66	DC Site A - Zscaler	\$ 23,639,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,639,000.00	\$ -
67	Hardware Support/Maintenance												
68	DC Site A - Cisco	\$ -	\$ 1,088,951.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,121,619.94	\$ -	\$ 1,155,268.54	\$ -	\$ 3,365,839.88
69	DC Site B - Cisco	\$ -	\$ 870,811.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 896,935.54	\$ -	\$ 923,843.60	\$ -	\$ 2,691,590.34

	A	B	C	D	E	F	G	H	I	J	K	L	M
70	DC Site C - Cisco	\$ -	\$ 260,942.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 268,770.67	\$ -	\$ 276,833.79	\$ -	\$ 806,546.86
71	Admin Sites - Cisco	\$ -	\$ 342,266.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 352,534.39	\$ -	\$ 363,110.42	\$ -	\$ 1,057,911.22
72	DC Site A - EMC	\$ -	\$ 766,382.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 789,373.54	\$ -	\$ 813,054.75	\$ -	\$ 2,368,810.37
73	DC Site B - EMC	\$ -	\$ 131,390.88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,332.61	\$ -	\$ 139,392.58	\$ -	\$ 406,116.07
74	DC Site C - EMC	\$ -	\$ 1,660,374.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,710,185.27	\$ -	\$ 1,761,490.83	\$ -	\$ 5,132,050.15
75	DC Site A - F5 Load Balancer	\$ -	\$ 108,945.80	\$ -	\$ 112,214.17	\$ -	\$ 115,580.60	\$ -	\$ 119,048.02	\$ -	\$ 122,619.46	\$ -	\$ 578,408.05
76	DC Site B - F5 Load Balancer	\$ -	\$ 16,760.56	\$ -	\$ 17,263.38	\$ -	\$ 17,781.28	\$ -	\$ 18,314.72	\$ -	\$ 18,864.16	\$ -	\$ 88,984.09
77	DC Site C - F5 Load Balancer	\$ -	\$ 92,185.24	\$ -	\$ 94,950.80	\$ -	\$ 97,799.32	\$ -	\$ 100,733.30	\$ -	\$ 103,755.30	\$ -	\$ 489,423.96
78	DC Site A - Netscout	\$ -	\$ 726,424.00	\$ -	\$ 748,216.72	\$ -	\$ 770,663.22	\$ -	\$ 793,783.12	\$ -	\$ 817,596.61	\$ -	\$ 3,856,683.67
79	DC Site B - Netscout	\$ -	\$ 409,094.00	\$ -	\$ 421,366.82	\$ -	\$ 434,007.82	\$ -	\$ 447,028.06	\$ -	\$ 460,438.90	\$ -	\$ 2,171,935.61
80	DC Site C - Netscout	\$ -	\$ 248,430.00	\$ -	\$ 255,882.90	\$ -	\$ 263,559.39	\$ -	\$ 271,466.17	\$ -	\$ 279,610.15	\$ -	\$ 1,318,948.61
81	Admin Sites - Netscout	\$ -	\$ 343,558.00	\$ -	\$ 353,864.74	\$ -	\$ 364,480.68	\$ -	\$ 375,415.10	\$ -	\$ 386,677.56	\$ -	\$ 1,823,996.08
82	DC Site A - Riverbed	\$ -	\$ 97,044.00	\$ -	\$ 99,955.32	\$ -	\$ 102,953.98	\$ -	\$ 106,042.60	\$ -	\$ 109,223.88	\$ -	\$ 515,219.78
83	DC Site A - Teledyne	\$ -	\$ 5,800.00	\$ -	\$ 5,974.00	\$ -	\$ 6,153.22	\$ -	\$ 6,337.82	\$ -	\$ 6,527.95	\$ -	\$ 30,792.99
84	Wireless Access Points	\$ -	\$ 198,610.00	\$ -	\$ 204,568.30	\$ -	\$ 210,705.35	\$ -	\$ 217,026.51	\$ -	\$ 223,537.30	\$ -	\$ 1,054,447.46
85	Integration Services												
86	AssetGen	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000.00	\$ -
87	DC Site A - Cisco	\$ 8,235,236.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,235,236.00	\$ -
88	DC Site B - Cisco	\$ 5,744,601.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,744,601.00	\$ -
89	DC Site C - Cisco	\$ 4,816,412.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,816,412.00	\$ -
90	DC Site A - EMC	\$ 5,436,116.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,436,116.00	\$ -
91	DC Site B - EMC	\$ 402,256.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 402,256.00	\$ -
92	DC Site C - EMC	\$ 4,676,878.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,676,878.00	\$ -
93	DC Site A - F5 Load Balancer	\$ 201,790.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 201,790.00	\$ -
94	DC Site B - F5 Load Balancer	\$ 23,523.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,523.75	\$ -
95	DC Site C - F5 Load Balancer	\$ 60,796.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,796.25	\$ -
96	DC Site A - RaMP PTS DCIM	\$ 60,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000.00	\$ -
97	DC Site A - Riverbed	\$ 62,050.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,050.00	\$ -
98	DC Site A - Splunk	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	\$ -
99	Wireless Access Points	\$ 8,489,258.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,489,258.07	\$ -
100	DC Site A - Zscaler	\$ 295,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,000.00	\$ -
101	PMQC	\$ 3,874,391.71	\$ -	\$ 3,874,391.71	\$ -	\$ 3,874,391.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,623,175.12	\$ -
102	Facilities												
103	DC Sites B & C - Leasing (32 Ave of Americas or 111 8th Ave, Piscataway Data Centers)	\$ -	\$ 3,746,126.00	\$ -	\$ 3,746,126.00	\$ -	\$ 3,746,126.00	\$ -	\$ 3,746,126.00	\$ -	\$ 3,746,126.00	\$ -	\$ 18,730,630.00
104	Training												
105	F5 Load Balancer	\$ -	\$ 80,750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,750.00
106	Splunk	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000.00
107	Data Services												
108	Internet Service Provider (ISP) - up to 280G	\$ -	\$ 2,592,000.00	\$ -	\$ 3,888,000.00	\$ -	\$ 5,184,000.00	\$ -	\$ 5,184,000.00	\$ -	\$ 6,048,000.00	\$ -	\$ 22,896,000.00
109	Total OTPS	#####	#####	#####	#####	#####	#####	\$ -	#####	\$ -	#####	#####	#####
110	Total PS	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ -	\$ 5,600,000.00
111	Grand Total	#####	#####	#####	#####	#####	#####	\$ -	#####	\$ -	#####	#####	#####
112	NOTES:												
113	1.												
114	2.												
115	3.												
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	A	B	C	D
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2	<b>AssetGen System Quotation Q160929_01DC</b>			
3	For Jeffrey Stevenson DoITT, NYC      Date: September 29th, 2016			
4	1.      AssetGen Connect – Physical infrastructure – data centers, schools, cabling, hardware etc.			
5	Unlimited numbers of devices and also user logins.		<b>Category Notes</b>	<b>Capital/TL</b>
6	Software purchase	\$70,000.00	Software licenses/upgrades	Capital
7	Desktop client licenses (10)	\$10,000.00	Software licenses/upgrades	Capital
8	Annual software support	\$16,000.00	Software support/maintenance	Tax Levy
9	<u>Software total</u>	\$96,000.00		
10				
11				
12	2.      Professional services			
13	AssetGen Connec t	\$40,000.00	Contract/consulting services (project management, development consultants, etc.)	Capital
14	<u>Services total</u>	\$40,000.00		
15				
16	Total Value	\$136,000.00		
17				
18	Prices valid for 30 days			
19	Additonal second and third year's software support can be pre-ordered at annual support costs quoted if required.			
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22	Quotation approved by David Cuthbertson - CEO September 29th 2016			
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	NGN Cisco Quote Summary		Taken from Quote See Quote Backup											
2														
3	Site Location	Functional Block	Vendor/ Model / Quote	CapEx (HW) LIST	CapEx (HW) PRICE	Maintenance (SMARTnet) LIST	Maintenance (SMARTnet) PRICE	Software LIST	Software PRICE	Software Support LIST	Software Support PRICE	Professional Services	Total LIST	Total PRICE
4	2 Metrotech	OOB MGT	Cisco Cat 3850	\$77,760.00	\$23,328.00	\$6,408.00	\$1,922.40	\$27,800.00	\$8,340.00	\$12,240.00	\$3,672.00		\$124,208.00	\$37,262.40
5		Internet Edge	Cisco ASR / Nexus	\$2,719,410.00	\$815,823.00	\$259,632.00	\$77,889.60	\$138,200.00	\$41,460.00	\$55,440.00	\$16,632.00		\$3,172,682.00	\$951,804.60
6		Internet Edge NCFW	Cisco FPR9300	\$5,084,393.75	\$1,525,318.20	#####	\$457,200.00	#####	\$401,602.50	\$0.00	\$0.00		\$7,947,068.75	\$2,384,120.70
7		Admin Edge	Cisco ASR / Nexus	\$1,680,730.00	\$504,219.00	\$234,660.00	\$70,398.00	\$91,600.00	\$27,480.00	\$27,720.00	\$8,316.00		\$2,034,710.00	\$610,413.00
8		School Edge	Cisco ASR	\$2,567,720.00	\$770,316.00	\$407,706.00	\$122,311.80	\$30,000.00	\$9,000.00	\$0.00	\$0.00		\$3,005,426.00	\$901,627.80
9		Core FW	Cisco FPR4140	\$769,930.00	\$230,979.00	\$158,400.00	\$47,520.00	\$149,940.00	\$44,982.00	\$0.00	\$0.00		\$1,078,270.00	\$323,481.00
10		VPN	Cisco FPR4140	\$427,950.00	\$128,385.00	\$100,800.00	\$30,240.00	\$20,000.00	\$6,000.00	\$0.00	\$0.00		\$548,750.00	\$164,625.00
11		Vendor DMZ	Cisco FPR4140 / Nexus	\$1,319,080.00	\$395,724.00	\$239,418.00	\$71,825.40	\$361,480.00	\$108,444.00	\$27,720.00	\$8,316.00		\$1,947,698.00	\$584,309.40
12		Web App DMZ	Cisco FPR4140 / Nexus	\$3,090,540.00	\$927,162.00	\$397,236.00	\$119,170.80	\$573,020.00	\$171,906.00	\$55,440.00	\$16,632.00		\$4,116,236.00	\$1,234,870.80
13		Server ACI Network	Cisco Nexus	\$1,208,502.00	\$362,550.60	\$128,796.00	\$38,638.80	\$252,800.00	\$75,840.00	\$102,816.00	\$30,844.80		\$1,692,914.00	\$507,874.20
14		FW NMS	Cisco Firepower Management	\$485,970.00	\$145,791.00	\$172,782.00	\$51,834.60	\$0.00	\$0.00	\$0.00	\$0.00		\$658,752.00	\$197,625.60
15			Totals	\$19,431,985.75	\$5,829,595.80	#####	\$1,088,951.40	#####	\$895,054.50	\$281,376.00	\$84,412.80	\$8,235,236.00	\$26,326,714.75	\$16,133,250.50
16														
17														
18	Site Location	Functional Block	Vendor/ Model / Quote	CapEx (HW) LIST	CapEx (HW) PRICE	Maintenance (SMARTnet) LIST	Maintenance (SMARTnet) PRICE	Software LIST	Software PRICE	Software Support LIST	Software Support PRICE	Professional Services	Total LIST	Total PRICE
19	111 8th Ave	OOB MGT	Cisco Cat 3850	\$45,800.00	\$13,740.00	\$6,408.00	\$1,922.40	\$27,800.00	\$8,340.00	\$12,240.00	\$3,672.00		\$92,248.00	\$27,674.40
20		Internet Edge	Cisco ASR / Nexus	\$2,711,460.00	\$813,438.00	\$267,582.00	\$80,274.60	\$138,200.00	\$41,460.00	\$55,440.00	\$16,632.00		\$3,172,682.00	\$951,804.60
21		Internet Edge NCFW	Cisco FPR9300	\$5,084,393.75	\$1,525,318.20	#####	\$457,200.00	#####	\$401,602.50	\$0.00	\$0.00		\$7,947,068.75	\$2,384,120.70
22		Admin Edge	Cisco ASR / Nexus	\$1,680,730.00	\$504,219.00	\$234,660.00	\$70,398.00	\$91,600.00	\$27,480.00	\$27,720.00	\$0.00		\$2,034,710.00	\$602,097.00
23		School Edge	Cisco ASR	\$2,567,720.00	\$770,316.00	\$407,706.00	\$122,311.80	\$30,000.00	\$9,000.00	\$0.00	\$0.00		\$3,005,426.00	\$901,627.80
24		Core FW	Cisco FPR4140	\$825,100.00	\$247,530.00	\$188,766.00	\$56,629.80	\$149,940.00	\$44,982.00	\$0.00	\$0.00		\$1,163,806.00	\$349,141.80
25		VPN	Cisco FPR4140	\$427,950.00	\$128,385.00	\$100,800.00	\$30,240.00	\$20,000.00	\$6,000.00	\$0.00	\$0.00		\$548,750.00	\$164,625.00
26		FW NMS	Cisco Firepower Management	\$485,970.00	\$145,791.00	\$172,782.00	\$51,834.60	\$0.00	\$0.00	\$0.00	\$0.00		\$658,752.00	\$197,625.60
27			Totals	\$13,829,123.75	\$4,148,737.20	#####	\$870,811.20	#####	\$538,864.50	\$95,400.00	\$20,304.00	\$5,744,601.00	\$18,623,442.75	\$11,323,317.90
28														
29														
30	Site Location	Functional Block	Vendor/ Model / Quote	Capital Expense HW LIST	Capital Expense HW PRICE	Maintenance (SMARTnet) LIST	Maintenance (SMARTnet) PRICE	SW Subscription LIST	SW Subscription PRICE	Software LIST	Software PRICE	Professional Services	TOTAL LIST	TOTAL PRICE
31	DC2 Piscataway	OOB MGT	Cisco Cat 3850	\$45,800.00	\$13,740.00	\$6,408.00	\$1,922.40	\$12,240.00	\$3,672.00	\$27,800.00	\$8,340.00		\$92,248.00	\$27,674.40
32		Vendor DMZ	Cisco FPR4140 / Nexus	\$1,462,680.00	\$438,804.00	\$261,750.00	\$78,525.00	\$27,720.00	\$8,316.00	\$361,480.00	\$108,444.00		\$2,113,630.00	\$634,089.00
33		Web App DMZ	Cisco FPR4140 / Nexus	\$3,143,880.00	\$943,164.00	\$504,402.00	\$151,320.60	\$55,440.00	\$16,632.00	\$498,050.00	\$149,415.00		\$4,201,772.00	\$1,260,531.60
34		Server ACI Network	Cisco Nexus	\$928,310.00	\$278,493.00	\$97,248.00	\$29,174.40	\$92,784.00	\$27,835.20	\$222,400.00	\$66,720.00		\$1,340,742.00	\$402,222.60
35			Totals	\$5,580,670.00	\$1,674,201.00	\$869,808.00	\$260,942.40	\$188,184.00	\$56,455.20	#####	\$332,919.00	\$4,816,412.00	\$7,748,392.00	\$7,140,929.60
36														
37														
38	Site Location	Functional Block	Vendor/ Model / Quote	CapEx (HW) LIST	CapEx (HW) PRICE	Maintenance (SMARTnet) LIST	Maintenance (SMARTnet) PRICE	SOFTWARE LIST	SOFTWARE PRICE	Software Support LIST	Software Support PRICE	Professional Services	Total LIST	Total PRICE
39	Admin Sites	Admin Edge	Cisco ASR / Nexus / FPR	\$8,164,985.00	\$2,449,495.50	#####	\$342,266.40	\$549,000.00	\$164,700.00	\$247,104.00	\$74,131.20	\$0.00	#####	\$3,030,593.10
40														
41	Estimated Professional Services			\$ 4,005,679	per site	\$ 16,022,714								
42														
43	Grand Total			\$47,006,764.50	\$14,102,029.50	#####	\$2,562,971.40	#####	\$1,655,074.20	#####	\$511,767.00	#####	#####	#####

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
44	Category				Capital HW		Tax Levy HW MT		Capital SW		Tax Levy SW MT			
45	Funding													
46														
47	Removing Admin Sites				\$11,652,534.00				\$1,490,374.20					
48	Admin Sites				\$2,449,495.50				\$164,700.00					
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	A	B	C	D	E	F	G	H	I	J	K	L
1		Taken from Quote See Quote Backup										
2												
3												
4		 <b>dynatrace</b>										
5												
6												
7					100 Wyman Street Waltham, MA 02451							
8		Sales Quotation										
9		Client Name: NYC Dept. of Education										
10		Customer Address #1: 2 Metrotech Center										
11		Customer Address #2:				203-268-2684						
12		City, State/Province: Brooklyn NY					@dynatrace.com					
13		Zip/Postal Code: 11201-3846										
14		Country: United States										
15		Client Number:										
16		Contact: Chris Peet, Executive Director										
17		Contact Phone: 718-935-2456				Valid Until: 10-Dec-16						
18		Contact Email: cpeet@schools.nyc.gov				Valid Until: 12/10/2016						
19												
20		Software & Maintenance										
21		Product	Environment	Quantity	Unit Volume	License Type	Price	Category	Capital/TL			
22	1	.NET Agent	Pre-Production	14	Per WOSI	Perpetual						
23	2	.NET Agent	Production	16	Per WOSI	Perpetual						
24	3	WebServer Agent	Pre-Production	16	Per Agent	Perpetual						
25	4	WebServer Agent	Production	63	Per Agent	Perpetual						
26	5	Database Agent	Pre-Production	33	Per Instance (8 Cores)	Perpetual						
27	6	Database Agent	Production	26	Per Instance (8 Cores)	Perpetual						
28	7	UEM Visit Block	Production	8,000,000	Per Visit	Perpetual						
29	8	UEM Visit Block	Pre-Production	1,000,000	Per Visit	Perpetual						
30		Software Price...					\$494,275.00	Software licenses/upgrades	Capital			
31												
32												
33		Grand Total					\$494,275.00					
34							U.S.Dollars					
35		*Finalization of this Sales Quotation is subject to agreement by the parties to terms and conditions										
36		to govern the use and acquisition of the relevant Software and/or Services as appropriate.										
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	A	B	C	D	E	F	G	H	I	J	K
1	EMC Summary of Quotes										
2											
3											
4	HW - Capital	SW-Expense	HW - Maintenance	SW - Maintenance	Professional Services Detail Quote	Professional Services SOW	Professional Services Total	Location			
5	6,036,068.58	2,002,919.33	1,660,374.05	592,306.87	922,878.00	3,754,000	4,676,878	Piscataway			
6	845,768.90	-	131,390.88	-	45,536.00	356,720	402,256	111 8th Ave			
7	2,851,363.63	289,330.48	766,382.08	148,740.16	1,450,616.00	3,985,500	5,436,116	2MT			
8	9,733,201.11	2,292,249.81	2,558,147.00	741,047.03	2,419,030.00	8,096,220.00	10,515,250	Total			
9											
10											
11	See scope of work for EMC professional services quotes										
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	A	B	C	D	E	F	G	H	I	J	K
1	Quote Prepared By:	PATRICK WRIGHT								PS	
2	Email:	@EMC.COM								Professional Services	
3	Quote #:	4Q16 - DOE - NJ (1) VXRail 280F 512 6000672662 V01								922,878	
4	Date:	07.11.2016									
5	Valid Until:										
6	Contract #:	PUBLIC SECTOR CONTRACT NOT IN SYSTEM									
7	Payment Terms:	NET 30									
8	Line Item	Description	Qty	List Price	Discou	DOE Price		Professional Services		HW - Capital	SW-Expense
9	VXRail 280F 512GB									\$6,036,069	\$2,925,797
10	1	ND-28C512GBSAF-ELA	ND 28CORCPU 512GBMEM 10GSFP+ AF VLP	4	\$190,632	#####	\$123,911	ND			
11	2	Q-CHASSIS-1600PS12	HCIA CHASSIS W/ 1600 PS AND FAN 12G	1	\$4,816	#####	\$3,130	Q-		TOTAL	#####
12	3	INSTLKIT-10GE-SFP+	HCIA FIELD INSTALL KIT 10GE SFP+	1	\$706	#####	\$459	IN			
13	4	DP-1X8SSD-5X38SSD	HCIA DISK PACK 1X800GB SSD 5X3.8TB SSD	4	\$199,428	#####	\$129,628	DP		SW Expense - PS	\$2,002,919
14	5	M-PREHWJ-001	PREMIUM HARDWARE SUPPORT	1	\$59,337	#####	\$38,569	M-			
15	6	VXR-HCIA-MGR-35	VXRail HCIA MANAGER V3.5=MA	1	\$0	0.00%	\$0	VX			
16	7	M-PRESWJ-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0	M-			
17	8	458-001-527	HCIA SW V3.5	1	\$0	0.00%	\$0	45			
18	9	456-111-210	HCIA SW V3.5=IB	1	\$0	0.00%	\$0	45			
19	10	M-PRESWJ-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0	M-			
20	11	458-001-187	RECOVERPOINT FOR HCIA	1	\$0	0.00%	\$0	45			
21	12	456-106-730	RECOVERPOINT FOR VM FOR HCIA =IB	1	\$0	0.00%	\$0	45			
22	13	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0	M-			
23	14	PS-BAS-HCIAINS	INSTALLATION FOR VXRail SINGLE APPLIANCE	1	\$7,580	#####	\$6,822	PS			
24		Total Price (USD)					\$302,520				
25											
26											
27	Quote Prepared By:	PATRICK WRIGHT							PA		
28	Email:	T@EMC.COM							PA		
29	Quote #:	3Q16 - DOE - MDS NJ 6000665090 V01							3Q		
30	Date:	07.11.2016							07		
31	Valid Until:										
32	Contract #:	NOT A PUBLIC SECTOR CUSTOMER							NO		
33	Payment Terms:	NET 30							NE		
34	Line Item	Description	Qty	List Price	Discou	DOE Price		It			
35	9396							93			
36	1	MDS-9396S-48	MDS-9396S 16GB SWITCH - 48 ACTIVE PORTS	1	\$36,941	#####	\$15,885	MD			
37	2	MDS-PW8-US	QTY 2 9216 9120 9124 9140 POWER CORD US	2	\$0	#####	\$0	MD			
38	3	MDS-16FC-SFPS	MDS 16GB FC SW SWITCH OPTIC	48	\$12,864	#####	\$5,532	MD			
39	4	W-ENHHW-001	ENHANCED HARDWARE WARRANTY	1	\$0	0.00%	\$0	W-			




	L	M	N	O	P	Q	R
1	Taken from Quote See Quote Backup						
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7							
8	HW - Maintenance	SW - Maintenance					
9	\$1,660,374	\$592,307					
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40	5	WU-PREHW-001	PREMIUM HARDWARE SUPPORT - WARR UPG	1	\$2,241	#####	\$1,457		WU		
41	6	MDS-DCNM-93-CF	DCNM 9300 SAN LICENSE SERVER BASED=MA	1	\$7,014	#####	\$4,910		MD		
42	7	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$3,788	#####	\$2,462		M-		
43	8	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
44	9	PS-BAS-INSW	GENERIC SWITCH OR BLADE INSTAL	1	\$2,030	#####	\$1,827		PS		
45		MDS 9710							MD		
46	10	MDS-9710	CONNECTRIX MDS-9710 DIRECTOR	2	\$386,680	#####	\$166,272		MD		
47	11	MDS-48P-16GFC	MDS 9000 48-PORT 16-GBPS FC MODULE	4	\$374,640	#####	\$161,095		MD		
48	12	MDS-SFP-16GSW	MDS 16GB FC SW OPTIC	192	\$78,336	#####	\$33,684		MD		
49	13	MDS-9700-US1	MDS 9700 NEMA 6-20 UNITED STATES/JAPAN	6	\$0	0.00%	\$0		MD		
50	14	W-ENHHW-001	ENHANCED HARDWARE WARRANTY	1	\$0	0.00%	\$0		W-		
51	15	WU-PREHW-001	PREMIUM HARDWARE SUPPORT - WARR UPG	1	\$68,519	#####	\$44,537		WU		
52	16	MDS-ENT-97-CF	ENTERPRISE LICENSE FOR MDS 9700	1	\$27,250	#####	\$19,075		MD		
53	17	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$14,715	#####	\$9,565		M-		
54	18	MDS-DCNM-97-CF	DCNM SAN LICENSE FOR MDS 9700	1	\$21,032	#####	\$14,722		MD		
55	19	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$11,357	#####	\$7,382		M-		
56	20	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
57	21	PS-BAS-INDIR	GENERIC DIRECTOR INSTALL	2	\$4,500	#####	\$4,050		PS		
58	22	PS-BAS-FCIA	FC INFRA ASSESSMENT	1	\$16,750	#####	\$15,075		PS		
59		9396							93		
60	23	MDS-9396S-48	MDS-9396S 16GB SWITCH - 48 ACTIVE PORTS	1	\$36,941	#####	\$15,885		MD		
61	24	MDS-PW8-US	QTY 2 9216 9120 9124 9140 POWER CORD US	2	\$0	#####	\$0		MD		
62	25	MDS-16FC-SFPS	MDS 16GB FC SW SWITCH OPTIC	48	\$12,864	#####	\$5,532		MD		
63	26	W-ENHHW-001	ENHANCED HARDWARE WARRANTY	1	\$0	0.00%	\$0		W-		
64	27	WU-PREHW-001	PREMIUM HARDWARE SUPPORT - WARR UPG	1	\$2,241	#####	\$1,457		WU		
65	28	MDS-DCNM-93-CF	DCNM 9300 SAN LICENSE SERVER BASED=MA	1	\$7,014	#####	\$4,910		MD		
66	29	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$3,788	#####	\$2,462		M-		
67	30	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
68	31	PS-BAS-INSW	GENERIC SWITCH OR BLADE INSTAL	1	\$2,030	#####	\$1,827		PS		
69		9396							93		
70	32	MDS-9396S-48	MDS-9396S 16GB SWITCH - 48 ACTIVE PORTS	1	\$36,941	#####	\$15,885		MD		
71	33	MDS-PW8-US	QTY 2 9216 9120 9124 9140 POWER CORD US	2	\$0	#####	\$0		MD		
72	34	MDS-16FC-SFPS	MDS 16GB FC SW SWITCH OPTIC	48	\$12,864	#####	\$5,532		MD		
73	35	W-ENHHW-001	ENHANCED HARDWARE WARRANTY	1	\$0	0.00%	\$0		W-		
74	36	WU-PREHW-001	PREMIUM HARDWARE SUPPORT - WARR UPG	1	\$2,241	#####	\$1,457		WU		
75	37	MDS-DCNM-93-CF	DCNM 9300 SAN LICENSE SERVER BASED=MA	1	\$7,014	#####	\$4,910		MD		
76	38	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$3,788	#####	\$2,462		M-		
77	39	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
78	40	PS-BAS-INSW	GENERIC SWITCH OR BLADE INSTAL	1	\$2,030	#####	\$1,827		PS		

	A	B	C	D	E	F	G	H	I	J	K
79		9396							93		
80	41	MDS-9396S-48	MDS-9396S 16GB SWITCH - 48 ACTIVE PORTS	1	\$36,941	#####	\$15,885		MD		
81	42	MDS-PW8-US	QTY 2 9216 9120 9124 9140 POWER CORD US	2	\$0	#####	\$0		MD		
82	43	MDS-16FC-SFPS	MDS 16GB FC SW SWITCH OPTIC	48	\$12,864	#####	\$5,532		MD		
83	44	W-ENHHW-001	ENHANCED HARDWARE WARRANTY	1	\$0	0.00%	\$0		W-		
84	45	WU-PREHW-001	PREMIUM HARDWARE SUPPORT - WARR UPG	1	\$2,241	#####	\$1,457		WU		
85	46	MDS-DCNM-93-CF	DCNM 9300 SAN LICENSE SERVER BASED=MA	1	\$7,014	#####	\$4,910		MD		
86	47	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$3,788	#####	\$2,462		M-		
87	48	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
88	49	PS-BAS-INSW	GENERIC SWITCH OR BLADE INSTAL	1	\$2,030	#####	\$1,827		PS		
89			Total Price (USD)				\$603,746				
90											
91											
92	Quote Prepared By:	PATRICK WRIGHT							PA		
93	Email:	@EMC.COM							PA		
94	Quote #:	3Q16 DOE Piscataway DD9500 6000097341 V0							3Q		
95	Date:	08.11.2016							08		
96	Valid Until:										
97	Contract #:	PUBLIC SECTOR CONTRACT NOT IN SYSTEM							PU		
98	Payment Terms:	NET 30							NE		
99	Item Description		Qty	List Price	Discou	DOE Price		It			
100	DD9500							DD			
101	1	R-DS60-4-120S	OPT DS60 SHELF 30X4TB SAS HDD RACK	1	\$127,200	#####	\$54,696	R-			
102	2	DD9500	SYSTEM DD9500 256GB NFS CIFS	1	\$0	0.00%	\$0	DD			
103	3	DD9500-CTL	SYSTEM DD9500 CTL 256GB NFS CIFS	1	\$351,500	#####	\$151,145	DD			
104	4	R-FACIN9500	OPTION FACTORY INSTALL KIT DD9500	1	\$0	0.00%	\$0	R-			
105	5	C-9500-MEM256	MEMKIT ADD 256GB DD9500 16X16GB OPTION	1	\$30,000	#####	\$12,900	C-			
106	6	C-10GMOP4P	DD 10GBE IO MOD OPTICAL SFP 4PORT OPTION	2	\$12,000	#####	\$5,160	C-			
107	7	DDRACK-1PH-DR2N	RACK DATA DOMAIN 40U SNGL PHASE;DOOR	2	\$8,400	#####	\$3,612	DD			
108	8	PC-RK30-US-1	POWER CORD SINGLE PHASE US&JAP RACK DUAL	2	\$1,150	#####	\$495	PC			
109	9	R-DS60-4-240S	OPT DS60 SHELF 60X4TB SAS HDD RACK	4	#####	#####	\$435,676	R-			
110	10	M-PREHWDD-H1	PREMIUM SYSTEM SUPPORT (DD)	1	\$495,099	#####	\$321,814	M-			
111	11	DDOS-DOC-A4N	DOCS,DD OS DOC,A4	1	\$0	0.00%	\$0	DD			
112	12	L-DDOE-HICAP-ACT	LICENSE DD OE PER TB HI CAPACITY ACT=CB	1080	#####	#####	\$673,380	L-			
113	13	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$516,780	#####	\$335,907	M-			
114	14	L-XCAP9500	LIC EXP CAP DD9500 MORE THAN 540TB=IA	1	\$50,000	#####	\$21,500	L-			
115	15	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$16,500	#####	\$10,725	M-			
116	16	L-REP-9500	LIC REPLICATOR DD9500=IA	1	\$70,000	#####	\$30,100	L-			


	A	B	C	D	E	F	G	H	I	J	K
117	17	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$37,800	#####	\$24,570		M-		
118	18	L-BST-9500	LIC BOOST DD9500=IA	1	\$45,000	#####	\$19,350		L-		
119	19	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$24,300	#####	\$15,795		M-		
120	20	L-DDOE-DD9500	LICENSE BASE DD OE DD9500=IA	1	\$20,000	#####	\$8,600		L-		
121	21	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$6,600	#####	\$4,290		M-		
122	22	U-REP-9500	LIC REPLICATOR DD9500 UPG=IA	1	\$70,000	#####	\$30,100		U-		
123	23	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$37,800	#####	\$24,570		M-		
124	24	PS-BAS-DDIB	IMPL DATA DOMAIN (BASE)	1	\$9,470	#####	\$8,523		PS		
125	25	PS-BAS-DD00	IMPL FOR DD 0 SHELF QS	1	\$2,500	#####	\$2,250		PS		
126	26	PS-BAS-DDPH	IMPL PRERACKED CONTROLLER & SHELVES	1	\$6,250	#####	\$5,625		PS		
127		<b>PISCATAWAY 9500 - 4 SHELF</b>							PI		
128	27	C-16GFC-M2P	DD 16GBIT FC IO MOD LC 2PORT OPTION	2	\$12,000	#####	\$5,160		C-		
129	28	DD9500	SYSTEM DD9500 256GB NFS CIFS	1	\$0	0.00%	\$0		DD		
130	29	DD9500-CTL	SYSTEM DD9500 CTL 256GB NFS CIFS	1	\$351,500	#####	\$151,145		DD		
131	30	R-FACIN9500	OPTION FACTORY INSTALL KIT DD9500	1	\$0	0.00%	\$0		R-		
132	31	R-DS60-4-240S	OPT DS60 SHELF 60X4TB SAS HDD RACK	1	\$253,300	#####	\$108,919		R-		
133	32	DDRACK-1PH-DR2N	RACK DATA DOMAIN 40U SNGL PHASE;DOOR	1	\$4,200	#####	\$1,806		DD		
134	33	PC-RK30-US-1	POWER CORD SINGLE PHASE US&JAP RACK DUAL	1	\$575	#####	\$247		PC		
135	34	C-10GMOP4P	DD 10GBE IO MOD OPTICAL SFP 4PORT OPTION	2	\$12,000	#####	\$5,160		C-		
136	35	M-PREHWDD-H1	PREMIUM SYSTEM SUPPORT (DD)	1	\$200,970	#####	\$130,631		M-		
137	36	DDOS-DOC-A4N	DOCS,DD OS DOC,A4	1	\$0	0.00%	\$0		DD		
138	37	L-DDOE-DD9500	LICENSE BASE DD OE DD9500=IA	1	\$20,000	#####	\$8,600		L-		
139	38	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$6,600	#####	\$4,290		M-		
140	39	L-DDOE-HICAP-ACT	LICENSE DD OE PER TB HI CAPACITY ACT=CB	240	\$348,000	#####	\$149,640		L-		
141	40	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$114,840	#####	\$74,646		M-		
142	41	L-REP-9500	LIC REPLICATOR DD9500=IA	1	\$70,000	#####	\$30,100		L-		
143	42	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$37,800	#####	\$24,570		M-		
144	43	L-BST-9500	LIC BOOST DD9500=IA	1	\$45,000	#####	\$19,350		L-		
145	44	M-PRESWDD-H1	PREMIUM SOFTWARE SUPPORT (DD)	1	\$24,300	#####	\$15,795		M-		
146			<b>Total</b>			#####					
147											
148	<b>Quote Prepared By:</b>	Patrick Wright							Pa		
149	<b>Email:</b>	@emc.com							pa		
150	<b>Quote #:</b>	1Q16 DOE (6) 40TB bricks 6000527777 V01							1Q		
151	<b>Date:</b>	08.11.2016							08		
152	<b>Valid Until:</b>										
153	<b>Contract #:</b>	NY - PM20830 IT UMBRELLA							NY		
154	<b>Line Item</b>	<b>Description</b>	<b>Qty</b>	<b>List Price</b>	<b>Discou</b>	<b>DOE Price</b>	<b>nt</b>		It		
155		<b>DR XIO</b>							DR		
156	1	X03-D25-1600-E	XTREMIO 25X1.6TB FLASH DRV ENC OE SW	6	#####	#####	#####		X0		
157	2	X02-KIT-02	XTREMIO BRICK 2 CONFIG KIT (FACTOR	1	\$0	#####	\$0		X0		
158	3	X02-KIT-01	XTREMIO BRICK 1 CONFIG KIT (FACTOR	1	\$0	#####	\$0		X0		
159	4	X02-KIT-03	XTREMIO BRICK 3 CONFIG KIT (FACTOR	1	\$0	#####	\$0		X0		



	A	B	C	D	E	F	G	H	I	J	K
160	5	X02-KIT-04	XTREMIO BRICK 4 CONFIG KIT (FACTORY	1	\$0	#####	\$0		X0		
161	6	X02-KIT-06	XTREMIO BRICK 6 CONFIG KIT (FACTORY	1	\$0	#####	\$0		X0		
162	7	X02-KIT-05	XTREMIO BRICK 5 CONFIG KIT (FACTORY	1	\$0	#####	\$0		X0		
163	8	X02-RACK-40U	XTREMIO - 40U CABINET	1	\$3,915	#####	\$1,683		X0		
164	9	X02-IBSW	XTREMIO - IB SWITCH	2	\$41,800	#####	\$17,974		X0		
165	10	X02-DUAL-BEZ-KIT	XTREMIO STD DUAL BEZEL KIT	1	\$0	#####	\$0		X0		
166	11	X02-3-6-BEZ-KIT	XTREMIO STD 3 TO 6 BEZEL KIT	4	\$0	#####	\$0		X0		
167	12	X02-UPS-220	XTREMIO - UPS 220V	6	\$0	#####	\$0		X0		
168	13	X02-SINGLE-BEZ-KIT	XTREMIO STD SINGLE BEZEL KIT	1	\$0	#####	\$0		X0		
169	14	X03-CTRLE-1600-T	XTREMIO - STORAGE CTRL 1.6TB ENC T	1	\$0	#####	\$0		X0		
170	15	X03-CTRLE-1600	XTREMIO - STORAGE CTRL ENC	11	\$0	#####	\$0		X0		
171	16	X02-PW-USS	FOR NORTH AMERICA & JAPAN	1	\$800	#####	\$344		X0		
172	17	X02-MNGT	XTREMIO - MGMT SERVER W/ SOFTWARE	1	\$15,480	#####	\$6,656		X0		
173	18	M-PREHWX-001	PREMIUM HARDWARE SUPPORT	1	\$641,124	#####	\$416,730		M-		
174	19	X02-MNGT-06-CF	XTREMIO-MGMT LICENSE QTY 6=IC	1	\$0	0.00%	\$0		X0		
175	20	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
176	21	X02-RTU-CF	XTREMIO RIGHT TO USE- OE=IC	6	\$0	0.00%	\$0		X0		
177	22	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
178	23	458-001-447	ESA MANAGEMENT FOR XTREMIO =ID	1	\$0	0.00%	\$0		45		
179	24	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
180	25	PS-BAS-XTINBS	XTREMIO INSTALL SINGLE XBRICK OR EMC CAB	1	\$3,440	#####	\$3,096		PS		
181	26	PS-BAS-XTIMBS	IMPL ARRAY WITH 5 HOSTS	1	\$4,220	#####	\$3,798		PS		
182	27	CE-VALPAKXTIO	XTREMIO 3.X VALUEPAK	1	\$3,000	#####	\$2,700		CE		
183	28	458-000-655	APPSYNC FOR XTREMIO	1	\$0	0.00%	\$0		45		
184	29	456-110-889	APPSYNC 40TB LTD XTREMIO X-BRICK=I	1	\$0	0.00%	\$0		45		
185	30	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
186			Total Price (USD)					#####			
187											
188											
189	Quote Prepared By:	PATRICK WRIGHT							PA		
190	Email:	@EMC.COM							PA		
191	Quote #:	2Q16 - DOE - VNX 8000 1.3PBU 3 YR Maint 6000303049 v01							2Q		
192	Date:	08.11.2016							08		
193	Valid Until:										
194	Contract #:	PUBLIC SECTOR CONTRACT NOT IN SYSTEM							PU		
195	Payment Terms:	NET 30							NE		
196	Line Item	Description	Qty	List Price	Discou	DOE Price	nt		It		
197		VNX 8000 - 1.3PBU							VN		
198	1	VSPBM8GFFEA	VNXB 4 PORT 8G FC IO MODULE PAIR	1	\$3,696	#####	\$1,589		VS		
199	2	VNXBSPERES	VNXB 6U SPACE RES FOR FILE UPG-EMC RACK	1	\$0	#####	\$0		VN		
200	3	VNXBDRACK240U	VNXB 40U DEEP RACK 2-PHASE 30A CONSOLE	1	\$3,726	#####	\$1,602		VN		
201	4	VBPW40UD-US	40U DEEP RACK PWR CORD PAIR US TWISTLOCK	9	\$6,120	#####	\$2,632		VB		
202	5	VSAS4LNCBL	VNX8000 BASE BE SAS 4 LANE CABLE SET	1	\$4,950	#####	\$2,129		VS		

	A	B	C	D	E	F	G	H	I	J	K
203	6	VNXB6GSDAE60P	VNXB 60X3.5 6G SAS PRI DAE-EMC RACK	4	\$55,816	#####	\$24,001		VN		
204	7	VNXB80DSPE	VNX8000 SPE-EMC DENSE RACK	1	\$64,277	#####	\$27,639		VN		
205	8	V-V4-D60015	VNX2 600GB 15K VAULT 60X3.5 DAE	1	\$5,585	#####	\$2,402		V-		
206	9	V4-DS6FX-1600	VNX 1600GB MLC SSD 60X3.5 DAE	60	\$587,400	#####	\$252,582		V4		
207	10	PS-BAS-PMBLK	COMMERCIAL PMGMT 4HRS QS	90	\$177,300	#####	\$76,239		PS		
208	11	V4-DS10-012	VNX 1.2TB 10K SAS 60X3.5 DAE	1380	#####	#####	\$851,529		V4		
209	12	OSAS-FLEX-3M	QTY 2 SAS FLEX 3M	17	\$0	#####	\$0		OS		
210	13	VBSAS-FLEX8M	HI-FLEX 8M MINISAS TO MINISAS CBL PR	2	\$6,490	#####	\$2,791		VB		
211	14	VNXB6GSDAE60	VNXB 60X3.5 6G SAS EXP DAE-EMC RAC	21	\$293,034	#####	\$126,005		VN		
212	15	VNXBDRACK140U	VNXB 40U DEEP RACK 1-PHASE 30A CONSOLE	2	\$7,452	#####	\$3,204		VN		
213	16	FLV4DS6F-200	VNX 200GB FAST CACHE 60X3.5 DAE	7	\$26,915	#####	\$11,573		FL		
214	17	VNX80-KIT	VNX8000 DOCUMENTATION KIT=IC	1	\$0	0.00%	\$0		VN		
215	18	W-ENHHW-001	ENHANCED HARDWARE WARRANTY	1	\$0	0.00%	\$0		W-		
216	19	STACKOVER31U	MFG FLAG TO INSTALL DENSE DAE OVER 31U	1	\$0	0.00%	\$0		ST		
217	20	WU-PREHWE-01	PREMIUM HW SUPPORT-WARR UPG	1	\$362,043	#####	\$235,328		WU		
218	21	VNXBOEPPERFTB	VNX OE PERF TIER PER TB FOR VNX=IC	1754	#####	#####	\$439,710		VN		
219	22	PS-BAS-SABLK	COMMERCIAL SA 4HOURS QS	90	\$177,300	#####	\$159,570		PS		
220	23	W-ENHSW-001	ENHANCED SOFTWARE WARRANTY	1	\$0	0.00%	\$0		W-		
221	24	WU-PRESWE-01	PREMIUM SOFTWARE SUPPORT- WARRANTY UPG	1	\$0	0.00%	\$0		WU		
222	25	VNX8000-ESSPCK	VNX8000 SOFTWARE ESSENTIALS PACK=IC	1	\$166,270	#####	\$71,496		VN		
223	26	M-PRESWE-001	PREMIUM SW SUPPORT	1	\$29,929	#####	\$19,454		M-		
224	27	VNX8000-DARE	VNX8000 CONTROLLER BASED ENCRYP SUITE=IC	1	\$17,170	#####	\$7,383		VN		
225	28	M-PRESWE-001	PREMIUM SW SUPPORT	1	\$3,091	#####	\$2,009		M-		
226	29	VNX8000-UNISB	VNX8000 UNISPHERE BLOCK SUITE=IC	1	\$65,070	#####	\$27,980		VN		
227	30	M-PRESWE-001	PREMIUM SW SUPPORT	1	\$11,713	#####	\$7,613		M-		
228	31	VNX8000-OE	VNX OE LICENSE VNX8000=IC	1	\$0	0.00%	\$0		VN		
229	32	CE-VALPAKVNX	VNX SOL. (FAST; LOCAL PROTECT) VALUEPAK	1	\$5,500	#####	\$4,950		CE		
230	33	PS-PKG-IMFSB	FAST IMPLEMENTATION BLOCK ONLY	1	\$6,150	#####	\$5,535		PS		
231	34	PS-PKG-IMLPB	VNX - SNAPVIEW SNAPSURE IMPLEMEN	1	\$2,730	#####	\$2,457		PS		
232	35	PS-BAS-ADDAE	RACK & STACK OF UPTO 2 DAE	14	\$5,180	#####	\$4,662		PS		
233	36	PS-PKG-MRBDE	VNX BLOCK INSTALL & IMPLEMENT	1	\$8,620	#####	\$7,758		PS		
234	37	PS-PKG-IMMGU	IMPLEMENT USM SUITE	1	\$3,220	#####	\$2,898		PS		
235	38	PS-PKG-IMRPB	VNX BLOCK - MIRRORVIEW IMPLEMENT	1	\$3,210	#####	\$2,889		PS		
236	39	PS-BAS-ADBKL	ADD BLOCK HOST LARGE	2	\$10,700	#####	\$9,630		PS		
237	40	PS-PKG-MRUDE	INSTALL IMPLEMENT VNX ENHANCED	1	\$11,290	#####	\$10,161		PS		
238	41	PS-PKG-IMFSU	FAST IMPLEMENT	1	\$6,150	#####	\$5,535		PS		
239	42	INTCAB-PWRCRD	C14-TO-C13 1METER INTERNAL CAB PWR CORDS	12	\$72	#####	\$31		IN		
240	43	VNX-RPHW7-G5T	RPA GEN5-TAA FOR VNX UM DC	6	\$107,280	#####	\$46,130		VN		
241	44	W-PREHW-001	PREMIUM HARDWARE WARRANTY	1	\$0	0.00%	\$0		W-		
242	45	M-PREHW-001	PREMIUM HARDWARE SUPPORT	1	\$10,728	#####	\$6,973		M-		
243	46	PS-BAS-RPUNI	EMC RECOVERPOINT IMP FOR UNIFIED QS	1	\$5,950	#####	\$5,355		PS		
244	47	458-000-836	POWERPATH VE BUNDLE	1	\$0	0.00%	\$0		45		
245	48	456-110-457	POWERPATH VE BUNDLE=IC	1	\$8,554	#####	\$3,678		45		

	A	B	C	D	E	F	G	H	I	J	K
246	49	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$1,967	#####	\$1,279		M-		
247			Total Price (USD)			#####					
248											
249											
250	Quote Prepared By:	Patrick Wright							Pa		
251	Email:	t@emc.com							pa		
252	Quote #:	3Q16 DOE - VPLEX VS6 - No RP Secondary 6000669054 V01							3Q		
253	Date:	08.11.2016							08		
254	Valid Until:										
255	Contract #:	NY - PM20830 IT UMBRELLA							NY		
256	Payment Terms:	NET 45							NE		
257	Line Item	Description	Qty	List Price	Discount	DOE Price			It		
258	VS6 - REMOTE								VS		
259	1	VPL-CM16GFC-F	REDWOOD COM MODULE OPTION 16GFC VAFA	4	\$0	0.00%	\$0		VP		
260	2	VPL-FM16GFC-F	REDWOOD FRONT END I/O OPTION 16GFC VAFA	4	\$0	0.00%	\$0		VP		
261	3	VPL-UPS-FD-F	350VA UPS ROHS COMPLIANT UPS VAFA	2	\$0	0.00%	\$0		VP		
262	4	VPL-BM16GFC-F	REDWOOD BACK END I/O OPTION 16GFC VAFA	4	\$0	0.00%	\$0		VP		
263	5	VPL-08-KIT-FD-F	VPLEX VPL LARGE CONFIG KIT (FD) VAF	1	\$0	0.00%	\$0		VP		
264	6	VPL-SWITCH-FD-F	VPLEX VPL IB COM SWITCH VAFA	2	\$0	0.00%	\$0		VP		
265	7	VPL-ENG-BAS-FD-F-M	VPLEX VPL BASE ENGINE VAFA METRO	1	\$352,275	#####	\$151,478		VP		
266	8	PS-ZN2S-DATRRES3M	RES FOR DATA AVAILABTY:: TRANS. 3M	4	\$444,600	#####	\$400,140		PS		
267	9	VPL-ENG-ADD-FD-F-M	VPLEX VPL ENGINE ADD VAFA METRO	3	#####	#####	\$454,435		VP		
268	10	PS-BAS-SABLK	COMMERCIAL SA 4HOURS QS	50	\$98,500	#####	\$88,650		PS		
269	11	M-PREHW-015	PREMIUM HARDWARE SUPPORT	1	\$465,003	#####	\$302,252		M-		
270	12	VS-OS-GPL3	NP ASSY VPLEX; OS GPLV3 SW; NO CHARGE	1	\$0	0.00%	\$0		VS		
271	13	VS-OS-NONGPL3	NP VPLEX; OS NON GPLV3 SW; NO CHARGE	1	\$0	0.00%	\$0		VS		
272	14	458-001-733	VPLEX VS6 VAFA METRO PRODUCT=CA	1	\$0	0.00%	\$0		45		
273	15	M-PRESW-015	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
274	16	CE-VALPAKVPX	VPLEX VALUEPAK	1	\$3,000	#####	\$2,700		CE		
275	17	PS-BAS-VPXIPL	IMPL FOR V-PLEX QUICKSTART	1	\$4,040	#####	\$3,636		PS		
276	18	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
277	19	PS-BAS-HCVP	HEALTH CHECK FOR VPLEX	1	\$13,660	#####	\$12,294		PS		
278	20	PS-BAS-ADVRCR	VPLEX INSTALL IN CUSTOMER RACK	2	\$4,320	#####	\$3,888		PS		
279			Total Price (USD)			#####					
280											
281	Quote Prepared By:	PATRICK WRIGHT							PA		
282	Email:	@EMC.COM							PA		
283	Quote #:	3Q16 - DOE - XIO Request - 10TB Brick 6000654964 V01							3Q		
284	Date:	08.11.2016							08		
285	Valid Until:										
286	Contract #:	NY - PM20830 IT UMBRELLA							NY		

	A	B	C	D	E	F	G	H	I	J	K
287	Payment Terms:	NET 30							NE		
288	Item		Description	Qty	List Price	Discount	DOE Price		It		
289	10TB BRICKS								10		
290	1	X02-D25-400-E-F	XTREMIO 25X400GB FLASH DRV ENC FLD OE SW	1	\$345,000	#####	\$148,350		X0		
291	2	X02-KITS-FD	XTREMIO SINGLE BRICK CONFIG KIT (FIELD)	1	\$0	#####	\$0		X0		
292	3	X02-UPS-220FP	XTREMIO - UPS 220V - FLD - SECONDARY	2	\$7,146	#####	\$3,073		X0		
293	4	X02-VRACK-FD	XTREMIO VIRTUAL RACK (FIELD)	1	\$0	#####	\$0		X0		
294	5	X02-CTRL-400-F	XTREMIO - STORAGE CTRL ENC FLD	1	\$0	#####	\$0		X0		
295	6	X02-CTRL-400-T-F	XTREMIO - STORAGE CTRL 400GB ENC TAG FLD	1	\$0	0.00%	\$0		X0		
296	7	X02-MNGT-F	XTREMIO - MGMT SERVER W/ SOFTWARE - FLD	1	\$15,480	#####	\$6,656		X0		
297	8	M-PREHWX-001	PREMIUM HARDWARE SUPPORT	1	\$121,317	#####	\$78,856		M-		
298	9	458-001-447	ESA MANAGEMENT FOR XTREMIO =ID	1	\$0	0.00%	\$0		45		
299	10	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
300	11	X02-MNGT-01-CF	XTREMIO-MGMT LICENSE QTY 1=IC	1	\$0	0.00%	\$0		X0		
301	12	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
302	13	X02-RTU-CF	XTREMIO RIGHT TO USE- OE=IC	1	\$0	0.00%	\$0		X0		
303	14	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
304	15	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
305	16	PS-BAS-XTINBS	XTREMIO INSTALL SINGLE XBRICK OR EMC CAB	1	\$3,440	#####	\$3,096		PS		
306	17	PS-ZN2B-USBOPRES1M	RESIDENCY FOR USD BLOCK ONLY: OPER. 1M	1	\$30,800	#####	\$27,720		PS		
307	18	PS-BAS-XTHC	REMOTE DELIVERED HEALTH CHECK EVENT	1	\$1,890	#####	\$1,701		PS		
308	19	458-001-345	APPSYNC FOR XTREMIO	1	\$0	0.00%	\$0		45		
309	20	456-109-467	APPSYNC 10TB LTD XTREMIO X-BRICK=I	1	\$0	0.00%	\$0		45		
310	21	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
311	22	RP-LNX-GPL	RECOVERPOINT LINUX GPLV3 DISTRIBUTION	1	\$0	0.00%	\$0		RP		
312	23	458-001-440	RECOVERPOINT FOR VM STARTER PACKS	1	\$0	0.00%	\$0		45		
313	24	456-109-561	RP4VM STARTER PACK FOR XTREMIO =I	1	\$0	0.00%	\$0		45		
314	25	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
315			Total Price (USD)				\$269,452				
316											
317											
318	Quote Prepared By:	PATRICK WRIGHT							PA		
319	Email:	@EMC.COM							PA		
320	Quote #:	3Q16 - DOE - XIO Request - 10TB Brick 6000654965 V01							3Q		
321	Date:	08.11.2016							08		
322	Valid Until:										
323	Contract #:	NY - PM20830 IT UMBRELLA							NY		
324	Payment Terms:	NET 30							NE		




	A	B	C	D	E	F	G	H	I	J	K
	Item	Description	Qty	List Price	Discount	DOE Price					
325									lt		
326		10TB BRICKS							10		
327	1	X02-D25-400-E-F	XTREMIO 25X400GB FLASH DRV ENC FLD OE SW	1	\$345,000	#####	\$148,350		X0		
328	2	X02-KITS-FD	XTREMIO SINGLE BRICK CONFIG KIT (FIELD)	1	\$0	#####	\$0		X0		
329	3	X02-UPS-220FP	XTREMIO - UPS 220V - FLD - SECONDARY	2	\$7,146	#####	\$3,073		X0		
330	4	X02-VRACK-FD	XTREMIO VIRTUAL RACK (FIELD)	1	\$0	#####	\$0		X0		
331	5	X02-CTRLE-400-F	XTREMIO - STORAGE CTRL ENC FLD	1	\$0	#####	\$0		X0		
332	6	X02-CTRLE-400-T-F	XTREMIO - STORAGE CTRL 400GB ENC TAG FLD	1	\$0	#####	\$0		X0		
333	7	X02-MNGT-F	XTREMIO - MGMT SERVER W/ SOFTWARE - FLD	1	\$15,480	#####	\$6,656		X0		
334	8	M-PREHWX-001	PREMIUM HARDWARE SUPPORT	1	\$121,317	#####	\$78,856		M-		
335	9	458-001-447	ESA MANAGEMENT FOR XTREMIO =ID	1	\$0	0.00%	\$0		45		
336	10	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
337	11	X02-MNGT-01-CF	XTREMIO-MGMT LICENSE QTY 1=IC	1	\$0	0.00%	\$0		X0		
338	12	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
339	13	X02-RTU-CF	XTREMIO RIGHT TO USE- OE=IC	1	\$0	0.00%	\$0		X0		
340	14	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
341	15	PSINST-ESRS	ZERO DOLLAR ESRS INSTALL	1	\$0	0.00%	\$0		PS		
342	16	PS-BAS-XTINBS	XTREMIO INSTALL SINGLE XBRICK OR EMC CAB	1	\$3,440	#####	\$3,096		PS		
343	17	PS-ZN2B-USBOPRES1M	RESIDENCY FOR USD BLOCK ONLY: OPER. 1M	1	\$30,800	#####	\$27,720		PS		
344	18	PS-BAS-XTHC	REMOTE DELIVERED HEALTH CHECK EVENT	1	\$1,890	#####	\$1,701		PS		
345	19	458-001-345	APPSYNC FOR XTREMIO	1	\$0	0.00%	\$0		45		
346	20	456-109-467	APPSYNC 10TB LTD XTREMIO X-BRICK=I	1	\$0	0.00%	\$0		45		
347	21	M-PRESWX-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
348	22	RP-LNX-GPL	RECOVERPOINT LINUX GPLv3 DISTRIBUTION	1	\$0	0.00%	\$0		RP		
349	23	458-001-440	RECOVERPOINT FOR VM STARTER PACKS	1	\$0	0.00%	\$0		45		
350	24	456-109-561	RP4VM STARTER PACK FOR XTREMIO =I	1	\$0	0.00%	\$0		45		
351	25	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0.00%	\$0		M-		
352			Total Price (USD)				\$269,452				
353											
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	A	B	C	D	E	F	G	H	I	J	K	L
1	Quote Prepare d By:	PATRICK WRIGHT								PS		Taken from Quote
2	Email:	@EMC.COM								Professional Services		
3	Quote #:	4Q16 - DOE - (3) VXRail 280F 512 8th Ave 6000672796 V01								45,536		
4	Date:	07.11.2016										
5	Valid Until:											
6	Contract #:	PUBLIC SECTOR CONTRACT NOT IN SYSTEM										
7	Payment Terms:	NET 30										
8	Line Item	Description	Qty	List Price	Discount	DOE Price		Professional Services	HW - Capital	SW-Expense	HW - Maintenance	
9	VXRAIL 280F 512GB								\$845,769	\$45,536	\$131,391	
10	1	ND-28C512GBSAF-ELA	ND 28CORCPU 512GBMEM 10GSFP+ AF VLP	4	\$190,632	35%	\$123,911	ND				
11	2	Q-CHASSIS-1600PS12	HCIA CHASSIS W/ 1600 PS AND FAN 12G	1	\$4,816	35%	\$3,130	Q-	TOTAL	\$907,559		
12	3	INSTLKIT-10GE-SFP+	HCIA FIELD INSTALL KIT 10GE SFP+	1	\$706	35%	\$459	IN				
13	4	DP-1X8SSD-5X38SSD	HCIA DISK PACK 1X800GB SSD 5X3.8TB SSD	4	\$199,428	35%	\$129,628	DP	SW Expense - PS	\$0		
14	5	M-PREHWJ-001	PREMIUM HARDWARE SUPPORT	1	\$59,337	35%	\$38,569	M-				
15	6	VXR-HCIA-MGR-35	VXRAIL HCIA MANAGER V3.5=MA	1	\$0	0%	\$0	VX				
16	7	458-001-527	HCIA SW V3.5	1	\$0	0%	\$0	45				
17	8	456-111-210	HCIA SW V3.5=IB	1	\$0	0%	\$0	45				
18	9	M-PRESWJ-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0%	\$0	M-				
19	10	458-001-187	RECOVERPOINT FOR HCIA	1	\$0	0%	\$0	45				
20	11	456-106-730	RECOVERPOINT FOR VM FOR HCIA =IB	1	\$0	0%	\$0	45				
21	12	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0%	\$0	M-				
22	13	PS-BAS-HCIAINS	INSTALLATION FOR VXRAIL SINGLE APPLIANCE	1	\$7,580	10%	\$6,822	PS				
23	VXRAIL 280F 512GB							VX				
24	14	ND-28C512GBSAF-ELA	ND 28CORCPU 512GBMEM 10GSFP+ AF VLP	4	\$190,632	35%	\$123,911	ND				
25	15	Q-CHASSIS-1600PS12	HCIA CHASSIS W/ 1600 PS AND FAN 12G	1	\$4,816	35%	\$3,130	Q-				
26	16	INSTLKIT-10GE-SFP+	HCIA FIELD INSTALL KIT 10GE SFP+	1	\$706	35%	\$459	IN				
27	17	DP-1X8SSD-5X38SSD	HCIA DISK PACK 1X800GB SSD 5X3.8TB SSD	4	\$199,428	35%	\$129,628	DP				
28	18	M-PREHWJ-001	PREMIUM HARDWARE SUPPORT	1	\$59,337	35%	\$38,569	M-				
29	19	VXR-HCIA-MGR-35	VXRAIL HCIA MANAGER V3.5=MA	1	\$0	0%	\$0	VX				
30	20	458-001-527	HCIA SW V3.5	1	\$0	0%	\$0	45				
31	21	456-111-210	HCIA SW V3.5=IB	1	\$0	0%	\$0	45				
32	22	M-PRESWJ-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0%	\$0	M-				
33	23	458-001-187	RECOVERPOINT FOR HCIA	1	\$0	0%	\$0	45				
34	24	456-106-730	RECOVERPOINT FOR VM FOR HCIA =IB	1	\$0	0%	\$0	45				
35	25	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0%	\$0	M-				



	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	See Quote Backup																		
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5																			
6																			
7																			
8	SW- Maintnenace																		
9	\$0																		
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36	26	PS-BAS-HCIAINS	INSTALLATION FOR VXRAIL SINGLE APPLIANCE	1	\$7,580	10%	\$6,822		PS			
37		<b>VXRAIL 280F 512GB</b>							VX			
38	27	ND-28C512GBSAF-ELA	ND 28CORCPU 512GBMEM 10GSFP+ AF VLP	4	\$190,632	35%	\$123,911		ND			
39	28	Q-CHASSIS-1600PS12	HCIA CHASSIS W/ 1600 PS AND FAN 12G	1	\$4,816	35%	\$3,130		Q-			
40	29	INSTLKIT-10GE-SFP+	HCIA FIELD INSTALL KIT 10GE SFP+	1	\$706	35%	\$459		IN			
41	30	DP-1X8SSD-5X38SSD	HCIA DISK PACK 1X800GB SSD 5X3.8TB SSD	4	\$199,428	35%	\$129,628		DP			
42	31	M-PREHWJ-001	PREMIUM HARDWARE SUPPORT	1	\$59,337	35%	\$38,569		M-			
43	32	VXR-HCIA-MGR-35	VXRAIL HCIA MANAGER V3.5=MA	1	\$0	0%	\$0		VX			
44	33	458-001-527	HCIA SW V3.5	1	\$0	0%	\$0		45			
45	34	456-111-210	HCIA SW V3.5=IB	1	\$0	0%	\$0		45			
46	35	M-PRESWJ-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0%	\$0		M-			
47	36	458-001-187	RECOVERPOINT FOR HCIA	1	\$0	0%	\$0		45			
48	37	456-106-730	RECOVERPOINT FOR VM FOR HCIA =IB	1	\$0	0%	\$0		45			
49	38	M-PRESW-001	PREMIUM SOFTWARE SUPPORT	1	\$0	0%	\$0		M-			
50	39	PS-BAS-HCIAINS	INSTALLATION FOR VXRAIL SINGLE APPLIANCE	1	\$7,580	10%	\$6,822		PS			
51			<b>Total Price (USD)</b>				<b>\$907,559</b>					
52												
53												
54	Quote Prepared By:	PATRICK WRIGHT							PA			
55	Email:	@EMC.COM							PA			
56	Quote #:	6000378942 V01							60			
57	Date:	20.05.2016							20			
58	Valid Until:											
59	Contract #:	NYS Umbrella							NY			
60	Payment Terms:	NET 30							NE			
61	Line Item	Description	Qty	List Price	Discount	List Price						
62		<b>VNXE 31TBU</b>							VN			
63		<b>SYSTEM</b>							SY			
64	1	V32-1G-IO	4 PORT 1GBE ISCSI/IP	2	\$2,000		\$2,000		V3			
65	2	V32-PWR-12	2 C13 PWRCRD W/ NEMA 5-15 PLUGS 125V 10A	3	\$0		\$0		V3			
66	3	V32D12AN5QN25	VNXE3200;2XSP DPE;25X2.5DS;25X1200GB 10K	1	\$24,300		\$24,300		V3			
67	4	V32-DAE-25	2U DAE WITH 25 X 2.5 INCH DRIVE SLOTS	1	\$3,345		\$3,345		V3			
68	5	V6-2S10-012	VNXE 3200 1.2TB 10K SAS 25X2.5	25	\$24,875		\$24,875		V6			
69	6	W-BASHW-001	BASIC HARDWARE WARRANTY	1	\$0		\$0		W-			
70	7	M-PREHWE-002	PREMIUM HARDWARE SUPPORT	1	\$5,750		\$5,750		M-			
71	8	WU-PREHWE-02	PREMIUM HW SUPPORT-WARR UPG	1	\$8,177		\$8,177		WU			
72	9	458-000-868	VNXE3200 REMOTE PROTECTION=IC	1	\$0		\$0		45			

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73	10	M-PRESWE-002	PREMIUM SW SUPPORT	1	\$0		\$0		M-			
74	11	458-000-402	VNXE3200 FAST SUITE=IC	1	\$0		\$0		45			
75	12	M-PRESWE-002	PREMIUM SW SUPPORT	1	\$0		\$0		M-			
76	13	458-000-400	VNXE3200 BASE DUAL SP ECOSYS=IC	1	\$4,880		\$4,880		45			
77	14	M-PRESWE-002	PREMIUM SW SUPPORT	1	\$1,757		\$1,757		M-			
78	15	VNXEPERFTB	VNXE OE PER TB PERFOR FOR VNXE3200	28	\$11,984		\$11,984		VN			
79	16	W-BASSW-001	BASIC SOFTWARE WARRANTY	1	\$0		\$0		W-			
80	17	WU-PRESWE-02	PREMIUM SOFTWARE SUPPORT- WARRANTY UPG	1	\$0		\$0		WU			
81	18	PS-BAS-VXEUD	VNXE3200 DEPLOYMENT	1	\$6,350		\$6,350		PS			
82		<b>SYSTEM</b>	<b>RECOVERPOINT</b>						SY			
83	19	458-001-361	VNXE3200 RP4VMS=IB	1	\$0		\$0		45			
84	20	458-001-122	VNXE3200 RP/SE PRODUCT=IC	1	\$0		\$0		45			
85	21	PS-BAS-RCVRPT	RECOVERPOINT FIXED	1	\$18,720		\$18,720		PS			
86	21	CE-VALPAKRP	RECOVERPOINT VALUEPAK	1	\$3,000		\$3,000		CE			
87												
88			<b>Hardware</b>				<b>\$74,384</b>					
89			<b>Install</b>				<b>\$25,070</b>					
90			<b>Maintenance</b>				<b>\$15,683</b>					
91			<b>Total</b>				<b>\$115,137</b>					
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2															
3	EXFO BOM														
4	ITEM	QTY	PRODUCT	UNIT SALES PRICE				EXTENDED SALES PRICE							
5	1	2	TK-1V2-PRO-S1-RF-VPM2X-FOA-XX-FTB-890NGE-100GE-SONET-SDH-52M-9953MRFC6349_	\$40,668.75				\$81,337.50							
6			40-100GE-FC16X												
7			TK-1v2-PRO-890 NetBlazer High-Speed Single Port 10G Multi-Service Kit												
8			Includes the following Mainframe & Module(s):												
9			____ FTB-1v2-PRO MAINFRAME (qty:1) ____												
10			Single-slot capacity Modular mainframe												
11			Windows 8.1 Pro OS, QUAD Core CPU												
12			- Multi-touch widescreen, color, 1280 x 800 TFT, 203 mm (8 in)												
13			- Storage:												
14			> RAM: 4 GB Internal memory												
15			- Interfaces:												
16			> RJ-45 LAN 10/100/1000 Mbit/s												
17			> USB 2.0 ports (qty:2)												
18			> USB 3.0 port (qty:1)												
19			> 3.5 mm audio jack (speaker/mic)												
20			[Default & Included Options]												
21			• S1: Standard display												
22			• 128G: 128 GB internal flash storage												
23			• RF: Built-in Wi-Fi and Bluetooth Capability												
24			• VPM2X-XX: VFL + Power Meter												
25			- Visual Fault Locator (650 nm)												
26			With 2.5 mm Universal Adapter												
27			- Power Meter (GeX detector)												
28			With FOA-xx: Connector Adapter must be specified upon ordering												
29			> Price may vary depending on your Connector Adapter choice												
30			• GP-10-072: Semi-rigid Carrying case.												
31			[Also Including]												
32			- Instruction Manual (Soft Copy)												
33			- Quick Reference Guide (Hard copy)												
34			- GP-2253: Li-Ion smart battery (qty:1)												
35			- GP-2233: 90W, AC Adapter with power cord												
36			- GP-2151: Hook strap												
37			- GP-2232: Hand strap												
38			- GP-2235: Stylus (qty:1)												
39			____ FTB-890NGE MODULE (qty:1) ____												
40			Dual Port 10M-to-100G Multi-Service NetBlazer Module												
41			[Features]												
42			- Multilane Physical Interface												
43			- Serial Physical Interface												
44			[Optical Interface]												
45			- Built-in slot for CFP4 based transceiver interface.												
46			- Built-in slot for QSFP+/QSFP28 transceiver interface.												
47			- SFP/SFP+ Transceiver interface												
48			[Electrical Interfaces]												
49			- DS1/2M (E1) TX/RX: Bantam and RJ-48c connectors												
50			- 2M (E1), DS3/34M (E3), E4: TX/RX BNC connectors												
51			- STS-1/STS-3c/STM-0e/STM-1e/140M: TX/RX BNC connectors												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
52			- Single port 10/100/1000Base-T RJ-45 connectors												
53			- Input/Output CLK DS1/2M: BNC/RJ48C/Bantam connectors												
54			[Default & Included Options]												
55			• SONET-SDH: SONET+SDH base software and mapping package												
56			Includes the following options:												
57			› SONET: SONET base software and mapping												
58			› SDH: SDH base software and mapping												
59			• 52M: Enables 52Mbit/s optical rate interface												
60			(OC-1/STM-0)												
61			• 100GE : Enables EtherBERT, RFC2544 with Smart Loopback, EtherSAM												
62			(Y.1564) and multi-stream support for 100GE / IEEE802.3ba												
63			(103.125 Gb/s) optical rate.												
64			• 9953M: Enables 10Gb/s optical rate interface												
65			(OC-192/STM-64) and functionality												
66			• RFC6349_40-100GE: Enables the ability to perform TCP throughput measurements												
67			up to 100 GigE												
68			- 128 connections												
69			- Baseline RTT Measurement												
70			- Path MTU discovery												
71			- Window Sweep												
72			- Sequential bidirectional (DTS)												
73			• FC16X: 16x Fibre Channel interface												
74			[Also Including]												
75			- Instruction Manual (Soft Copy)												
76			- Quick reference guide (Hard Copy)												
77			[Notes]												
78			! MUST be used with an FTB-1v2-PRO mainframe												
79			! Transceiver modules not included. Sold Separately.												
80			! Interface cables & Test jumpers not included. Sold separately.												
81			! Additional optical rates and options can be ordered separately.												
82															
83															
84															
85															
86															
87															
88	2	2	FTB-8693				\$446.25			\$892.50					
89			SFP+ Multirate Optical Transceiver module												
90			Sonet/SDH, FC8/10X, 10GigE LAN/WAN, OTU2, OTU1e/2e, OTU1f/2f												
91			Rates: 8.5, 9.95-11.3 Gb/s												
92	3	2	SFP-8698				\$596.25			\$1,192.50					
93			SFP+ Multirate Optical Transceiver module												
94			Rates: 4FC/8FC/10FC/16FC												
95			1310 nm, SMF, 10 km reach												
96	4	2	SFP-8697				\$296.25			\$592.50					
97			SFP+ Multirate Optical Transceiver module												
98			Rates: 4FC/8FC/16FC												
99			850 nm, MMF, 100 m reach												
100	5	2	FTB-8690				\$221.25			\$442.50					
101			SFP+ Multirate Optical Transceiver module												
102			FC10X, 10GigE LAN/WAN												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
103			Rates: 9.95-10.3 Gb/s												
104			850 nm, LC, MMF, 300 m reach												
105			[Notes]												
106			! Not rated for SONET/SDH												
107	6	2	QSFP-85940				\$2,250.00			\$4,500.00					
108			Sumitomo 40GBASE-LR4/OTU3												
109			10km 1310nm 4x10 CWDM												
110	7	2	QSFP-85990				\$5,400.00			\$10,800.00					
111			Source Photonics QSFP28 Source 100GBASE-LR4 Single-Rate 2km SMF												
112			LAN WDM EML LC												
113	8	2	QSFP-85992				\$3,075.00			\$6,150.00					
114			Finisar QSFP28 Fin 100GBASE-SR4/OTU4 128GFC Multi-Rate 100m												
115			MMF 4x25/28G MPO12												
116	9	1	TK-FF				\$4,496.25			\$4,496.25					
117			FiberFinder kit, including TG-300B Tone Generator and LFD-300B Live Fiber Identifier												
118			Including:												
119			- Soft carrying case (GP-10-071)												
120			- 4 AA battery per unit												
121			- AC Adapter												
122			- Light Cap												
123			- Instruction manual												
124															
125	10	1	FP430B-XX				\$1,886.25			\$1,886.25					
126			Hardware Option												
127			Automated Analysis Digital Video Inspection Probe												
128			- Automated Focus												
129			- Automated PASS-FAIL analysis												
130			- Triple Magnification												
131			- Auto Center												
132			- ConnectorMax2 Software												
133			[APC or UPC Bulkhead and Patchcord tips]												
134			**(-XX): APC or UPC must be specified upon ordering												
135			UPC Bulkhead Includes:												
136			- FIPT-400-FC-SC: FC-SC Bulkhead tip												
137			- FIPT-400-U25M: Universal patchcord tip (2.5mm ferrule)												
138			APC Bulkhead Includes:												
139			- FIPT-400-SC-APC: SC APC tip for bulkhead adapter												
140			- FIPT-400-U25MA: Universal patchcord tip for 2,5 mm ferrules APC												
141			[Also including]												
142			- Software (on CD)												
143			- Instruction Manual (Soft Copy)												
144			- Quick reference guide (Hard Copy)												
145	11	1	FIPT-400-MTP2-K				\$825.00			\$825.00					
146			Accessory for the FIP-400 Video inspection probe												
147			MTP-MPO Tip Kit												
148			Including:												
149			- Tip for MTP/MPO Bulkhead Adapter												
150			- Nozzle for MTP/MPO APC connector												
151			- Nozzle for MTP/MPO UPC connector												
152			- Bulkhead adapter for patch cord inspection.												
153	12	1	MAX-730C-SM2-RF-VP2M2X-FOA-54B-EA-EUI-91-OPM-Oi				\$9,982.50			\$9,982.50					



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
154			MAX-730C, FTTx/PON SM OTDR												
155			Port 1 : 1310/1550 nm, 39/38 dB (9/125 µm)												
156			Port 2 : Filtered 1625 nm, 39 dB (9/125 µm)												
157			[Default & Included Options]												
158			• RF: Enabling built-in Wi-Fi and Bluetooth Capability												
159			• VPM2X-XX: VFL + Power Meter												
160			- Visual Fault Locator (650 nm)												
161			With 2.5 mm Universal Adapter												
162			- Power Meter (GeX detector)												
163			With FOA-54B: SC Connector Adapter												
164			• OPM: In-line Power Meter, one broadband channel, same port as filtered port												
165			• Oi: OTDR + iOLM base software package												
166			[Features]												
167			- OTDR Real Time mode via iOLM application.												
168			(does not require iADV software option to be activated)												
169			Includes the following options:												
170	13	1	FR2-FC-KIT				\$371.25			\$371.25					
171			FastReporter 2 Software												
172			Fiber Characterization package for PC												
173			Discounted kit pricing for when purchased with another product												
174			and on the same PO (see notes below)												
175			Includes:												
176			- FastReporter 2 Software (on DVD)												
177			- Instruction Manual (Soft Copy)												
178			[Notes]												
179			! MUST be purchased on the same PO with:												
180			FTB-1, FTB-2, FTB-2-PRO, FTB-500,												
181			MAX-700B, MAX-700C, MAX-900, MAX_900P, MAX-FIP,												
182			FIP-400B, TK-FIP-400, AXS-100, AXS-110, PPM-350C, FOT-930,												
183			FTB-7000D, FTB-7000E, FTB-700, FTB-700C,												
184			FTB-720G, FTB-730G, FTB-720G+, FTB-730G+												
185	14	2	SPSB-B-150-XX-YY				\$165.00			\$330.00					
186			Soft Pulse Suppressor Box												
187			SM Fiber (9/125 µm with 3 mm jacket) Length: 150 m												
188			[Connectors]												
189			• xx: Input Connector must be specified upon ordering												
190			• yy: Output Connector must be specified upon ordering												
191			[Also Including]												
192			- Quick Reference Guide (Hard Copy)												
193			- Acceptance Test Results (Hard Copy)												
194															
195													Category	Capital/TL	
196							TOTAL			\$123,798.75			Hardware purchase and refresh	Capital	
197							Taxes			Not Included					
198							Shipping			Not Included					
199															
200															
201															

	A	B	C	D	E	F	G	H	I	J	K	L
1	Taken from Quote See Quote Backup											
2												
3	111 8th Ave											
4	Category	Part #	Description	Comments	Unit Price	Qty	Ext Price	Location	Cateory Notes	Capital/TL		Location
5	Hardware	F5-BIG-DNS-7050S	BIG-IP SWITCH DNS 7250V DNSSEC	Internet Edge (DNS) Tier	\$ 31,462	2	\$ 62,924.58	111 8th Ave	Hardware purchase and refresh	Capital		111 8th Ave
6	Hardware	F5-UPG-AC-400W-7000	UPG FIELD SINGLE 400W AC POWER	Internet Edge (DNS) Tier	\$ 840	2	\$ 1,680.00	111 8th Ave	Hardware purchase and refresh	Capital		111 8th Ave
7	Maintenace	F5-SVC-BIG-PRE-HW105	RNWL BIG IP SVC PREMIUM CAT	Internet Edge (DNS) Tier	\$ 8,380	2	\$ 16,760.56	111 8th Ave	Hardware Support/Maintenance	Tax Levy		111 8th Ave
8	Professional Services	F5-CST-S1	CONSULTING STANDARD HOURLY		\$ 319	65	\$ 20,718.75	111 8th Ave	Contract/consulting services (project management, development consultants, etc.)	Capital		Piscataway
9	Professional Services	F5-CST-PM1	CONSULTING PROJECT MANAGER PER		\$ 234	12	\$ 2,805.00	111 8th Ave	Contract/consulting services (project management, development consultants, etc.)	Capital		Piscataway
10	Total						\$ 104,888.89	111 8th Ave				Piscataway
11												Piscataway
12	Piscataway											Piscataway
13	Category	Part #	Description	Comments	Unit Price	Qty	Ext Price	Location	Cateory Notes	Capital/TL		2MT
14	Hardware	F5-BIG-LTM-10250V	BIG-IP SWITCH LTM 10250V VCOMP	WEB LTM with APM Tier	\$ 54,317.20	2	\$ 108,634.40	Piscataway	Hardware purchase and refresh	Capital		2MT
15	Hardware	F5-UPG-SFP-R	FIELD UPG SFP FIBER CONNECTOR	WEB LTM with APM Tier	\$ 140.00	4	\$ 560.00	Piscataway	Hardware purchase and refresh	Capital		2MT
16	Hardware	F5-UPG-SFP+-R	UPG FIELD SFP+ FIBER CONN	WEB LTM with APM Tier	\$ 896.00	4	\$ 3,584.00	Piscataway	Hardware purchase and refresh	Capital		2MT
17	Hardware	F5-BIG-DNS-7050S	BIG-IP SWITCH DNS 7250V DNSSEC	Web Extneral GTM (DNS)	\$ 31,462.29	2	\$ 62,924.58	Piscataway	Hardware purchase and refresh	Capital		2MT
18	Hardware	F5-UPG-AC-400W-7000	UPG FIELD SINGLE 400W AC POWER	Web Extneral GTM (DNS)	\$ 840.00	2	\$ 1,680.00	Piscataway	Hardware purchase and refresh	Capital		2MT
19	Hardware	F5-BIG-LTM-10050S	BIG-IP SWITCH LOCAL TRAFFIC	App LTM Tier	\$ 45,917.20	2	\$ 91,834.40	Piscataway	Hardware purchase and refresh	Capital		Total
20	Hardware	F5-UPG-SFP+-R	UPG FIELD SFP+ FIBER CONN	App LTM Tier	\$ 896.00	4	\$ 3,584.00	Piscataway	Hardware purchase and refresh	Capital		
21	Hardware	F5-BIG-LTM-10050S	BIG-IP SWITCH LOCAL TRAFFIC	Server FARM LTM Tier	\$ 45,917.20	2	\$ 91,834.40	Piscataway	Hardware purchase and refresh	Capital		
22	Hardware	F5-UPG-SFP+-R	UPG FIELD SFP+ FIBER CONN	Server FARM LTM Tier	\$ 896.00	4	\$ 3,584.00	Piscataway	Hardware purchase and refresh	Capital		
23	Software	F5-ADD-BIGAPM-10200V	BIG APM MAX MODULE FOR 102X0V	WEB LTM with APM Tier	\$ 74,319.79	2	\$ 148,639.58	Piscataway	Software licenses/upgrades	Capital		
24	Software	F5-BIQ-VE-MAX	BIG-IQ VE MGR MAX BIG-IP INST	Server FARM LTM Tier	\$ 105,000.00	1	\$ 105,000.00	Piscataway	Software licenses/upgrades	Capital		
25	Maintenace	F5-SVC-BIG-PRE-HW108	RNWL BIG IP SVC PREMIUM CAT	WEB LTM with APM Tier	\$ 14,015.78	2	\$ 28,031.56	Piscataway	Hardware Support/Maintenance	Tax Levy		
26	Maintenace	F5-SVC-BIG-PRE-SW138	BIG-IP SVC PREMIUM CAT SW138	WEB LTM with APM Tier	\$ 19,795.78	2	\$ 39,591.56	Piscataway	Software support/maintenance	Tax Levy		
27	Maintenace	F5-SVC-BIG-PRE-HW105	RNWL BIG IP SVC PREMIUM CAT	Web Extneral GTM (DNS)	\$ 8,380.28	2	\$ 16,760.56	Piscataway	Hardware Support/Maintenance	Tax Levy		
28	Maintenace	F5-SVC-BIG-PRE-HW194	BIG-IP SVC PREMIUM CAT HW194 2	App LTM Tier	\$ 11,848.28	2	\$ 23,696.56	Piscataway	Hardware Support/Maintenance	Tax Levy		
29	Maintenace	F5-SVC-BIG-PRE-HW194	BIG-IP SVC PREMIUM CAT HW194 2	App LTM Tier	\$ 11,848.28	2	\$ 23,696.56	Piscataway	Hardware Support/Maintenance	Tax Levy		
30	Maintenace	F5-SVC-BIQ-PRE-SW33	BIG-IQ SVC PREMIUM CAT SW33	Server FARM LTM Tier	\$ 30,600.00	1	\$ 30,600.00	Piscataway	Software support/maintenance	Tax Levy		
31	Professional Services	F5-CST-S1	CONSULTING STANDARD HOURLY		\$ 319	168	\$ 53,550.00	Piscataway	Contract/consulting services (project management, development consultants, etc.)	Capital		
32	Professional Services	F5-CST-PM1	CONSULTING PROJECT MANAGER PER		\$ 234	31	\$ 7,246.25	Piscataway	Contract/consulting services (project management, development consultants, etc.)	Capital		
33	Total						\$ 845,032.41					
34												
35	2MT											
36	Category	Part #	Description	Comments	Unit Price	Qty	Ext Price	Location	Cateory Notes	Capital/TL		
37	Hardware	F5-BIG-LTM-10250V	BIG-IP SWITCH LTM 10250V VCOMP	WEB LTM with APM Tier	\$ 54,317.20	2	\$ 108,634.40	2MT	Hardware purchase and refresh	Capital		

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1																							
2																							
3																							
4	Category	Capital/TL	Amount																				
5	Hardware purchase and refresh	Capital	64,604.58																				
6	Hardware Support/Maintenance	Tax Levy	16,760.56																				
7	Contract/consulting services (project management, development consultants, etc.)	Capital	23,523.75																				
8	Hardware purchase and refresh	Capital	368,219.78																				
9	Software licenses/upgrades	Capital	253,639.58																				
10	Hardware Support/Maintenance	Tax Levy	92,185.24																				
11	Software support/maintenance	Tax Levy	70,191.56																				
12	Contract/consulting services (project management, development consultants, etc.)	Capital	60,796.25																				
13	Hardware purchase and refresh	Capital	432,824.36																				
14	Software licenses/upgrades	Capital	253,639.58																				
15	Hardware Support/Maintenance	Tax Levy	108,945.80																				
16	Software support/maintenance	Tax Levy	70,191.56																				
17	Contract/consulting services (project management, development consultants, etc.)	Capital	201,790.00																				
18	Training	Tax Levy	80,750.00																				
19			2,098,062.60																				
20																							
21																							
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38	Hardware	F5-UPG-SFP-R	FIELD UPG SFP FIBER CONNECTOR	WEB LTM with APM Tier	\$ 140.00	4	\$ 560.00	2MT	Hardware purchase and refresh	Capital		
39	Hardware	F5-UPG-SFP+-R	UPG FIELD SFP+ FIBER CONN	WEB LTM with APM Tier	\$ 896.00	4	\$ 3,584.00	2MT	Hardware purchase and refresh	Capital		
40	Hardware	F5-BIG-DNS-7050S	BIG-IP SWITCH DNS 7250V DNSSEC	Web Extneral GTM (DNS)	\$ 31,462.29	2	\$ 62,924.58	2MT	Hardware purchase and refresh	Capital		
41	Hardware	F5-UPG-AC-400W-7000	UPG FIELD SINGLE 400W AC POWER	Web Extneral GTM (DNS)	\$ 840.00	2	\$ 1,680.00	2MT	Hardware purchase and refresh	Capital		
42	Hardware	F5-BIG-LTM-10050S	BIG-IP SWITCH LOCAL TRAFFIC	App LTM Tier	\$ 45,917.20	2	\$ 91,834.40	2MT	Hardware purchase and refresh	Capital		
43	Hardware	F5-UPG-SFP+-R	UPG FIELD SFP+ FIBER CONN	App LTM Tier	\$ 896.00	4	\$ 3,584.00	2MT	Hardware purchase and refresh	Capital		
44	Hardware	F5-BIG-LTM-10050S	BIG-IP SWITCH LOCAL TRAFFIC	Server FARM LTM Tier	\$ 45,917.20	2	\$ 91,834.40	2MT	Hardware purchase and refresh	Capital		
45	Hardware	F5-UPG-SFP+-R	UPG FIELD SFP+ FIBER CONN	Server FARM LTM Tier	\$ 896.00	4	\$ 3,584.00	2MT	Hardware purchase and refresh	Capital		
46	Hardware	F5-BIG-DNS-7050S	BIG-IP SWITCH DNS 7250V DNSSEC	Internet Edge (DNS) Tier	\$ 31,462.29	2	\$ 62,924.58	2MT	Hardware purchase and refresh	Capital		
47	Hardware	F5-UPG-AC-400W-7000	UPG FIELD SINGLE 400W AC POWER	Internet Edge (DNS) Tier	\$ 840.00	2	\$ 1,680.00	2MT	Hardware purchase and refresh	Capital		
48	Software	F5-ADD-BIGAPM-10200V	BIG APM MAX MODULE FOR 102X0V	WEB LTM with APM Tier	\$ 74,319.79	2	\$ 148,639.58	2MT	Software licenses/upgrades	Capital		
49	Software	F5-BIQ-VE-MAX	BIG-IQ VE MGR MAX BIG-IP INST	Server FARM LTM Tier	\$ 105,000.00	1	\$ 105,000.00	2MT	Software licenses/upgrades	Capital		
50	Maintenace	F5-SVC-BIG-PRE-HW108	RNWL BIG IP SVC PREMIUM CAT	WEB LTM with APM Tier	\$ 14,015.78	2	\$ 28,031.56	2MT	Hardware Support/Maintenance	Tax Levy		
51	Maintenace	F5-SVC-BIG-PRE-SW138	BIG-IP SVC PREMIUM CAT SW138	WEB LTM with APM Tier	\$ 19,795.78	2	\$ 39,591.56	2MT	Software support/maintenance	Tax Levy		
52	Maintenace	F5-SVC-BIG-PRE-HW105	RNWL BIG IP SVC PREMIUM CAT	Web Extneral GTM (DNS)	\$ 8,380.28	2	\$ 16,760.56	2MT	Hardware Support/Maintenance	Tax Levy		
53	Maintenace	F5-SVC-BIG-PRE-HW194	BIG-IP SVC PREMIUM CAT HW194 2	App LTM Tier	\$ 11,848.28	2	\$ 23,696.56	2MT	Hardware Support/Maintenance	Tax Levy		
54	Maintenace	F5-SVC-BIG-PRE-HW194	BIG-IP SVC PREMIUM CAT HW194 2	App LTM Tier	\$ 11,848.28	2	\$ 23,696.56	2MT	Hardware Support/Maintenance	Tax Levy		
55	Maintenace	F5-SVC-BIQ-PRE-SW33	BIG-IQ SVC PREMIUM CAT SW33	Server FARM LTM Tier	\$ 30,600.00	1	\$ 30,600.00	2MT	Software support/maintenance	Tax Levy		
56	Maintenace	F5-SVC-BIG-PRE-HW105	RNWL BIG IP SVC PREMIUM CAT	Web Extneral GTM (DNS)	\$ 8,380.28	2	\$ 16,760.56	2MT	Hardware Support/Maintenance	Tax Levy		
57	Professional Services	F5-CST-S1	CONSULTING STANDARD HOURLY		\$ 319	559	\$ 178,181.25	2MT	Contract/consulting services (project management, development consultants, etc.)	Capital		
58	Professional Services	F5-CST-PM1	CONSULTING PROJECT MANAGER PER		\$ 234	101	\$ 23,608.75	2MT	Contract/consulting services (project management, development consultants, etc.)	Capital		
59	Training	F5-TRG-ONSITE-5	5DAYS ONSITE TRAINING ANY COMBO		\$ 40,375	2	\$ 80,750.00	2MT	Training	Tax Levy		
60	Total						\$ 1,148,141.30					
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2	Year	Year 1	Year 2	Year 3	Year 4	Year 5					
3	Time Period	July 1, 2017 thru June 30, 2018	July 1, 2018 thru June 30, 2019	July 1, 2019 thru June 30, 2020	July 1, 2020 thru June 30, 2021	July 1, 2021 thru June 30, 2022					
4											
5	Estimated Total Gbps	120	180	240	240	280					
6	Estimated Cost Per Gbps	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800					
7	Estimated Annual	\$2,592,000	\$3,888,000	\$5,184,000	\$5,184,000	\$6,048,000					
8											
9	Estimated 5 Year Cost										
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1	Netscount Quote											
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3	Admin Sites											
4	Hardware											
5	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Cateory Notes	Capital/TL	Location	
6	1	nGenius InfiniStream, 4-Port Gigabit Configurable, 12TB (Expandable)	4595/DS	\$140,000	8	\$1,120,000.00	\$616,000.00	Infinistreams for Admin network - 10G/1G connectivity	Hardware purchase and refresh	Capital	Admin Sites	
7	2	SFP+ MM, 10GB SR, 850nm, LC	321-1486	\$750	32	\$24,000.00	\$13,200.00	Transceivers for Infinistream at Admin network	Hardware purchase and refresh	Capital	Admin Sites	
8	3	nGenius InfiniStream, 4-Port Gigabit Configurable, 12TB (Expandable)	4595/DS	\$140,000	10	\$1,400,000.00	\$770,000.00	Medium Admin Sites	Hardware purchase and refresh	Capital	Admin Sites	
9	4	SFP+ MM, 10GB SR, 850nm, LC	321-1486	\$750	40	\$30,000.00	\$16,500.00	Transceivers for medium Admin Sites	Hardware purchase and refresh	Capital	Admin Sites	
10	5	nGenius InfiniStream, 4-Port 10 Gigabit Configurable (SFP+), 12TB	2995/DS	\$100,000	8	\$800,000.00	\$440,000.00	Small Admin Sites	Hardware purchase and refresh	Capital	Admin Sites	
11	6	SFP+ MM, 10GB SR, 850nm, LC	321-1486	\$750	32	\$24,000.00	\$13,200.00	Transceivers for small admin sites	Hardware purchase and refresh	Capital	Admin Sites	
12	7	nGeniusONE Server (Linux), Enhanced Capacity (nGeniusONE License pre-installed on a Linux-based, enhanced capacity server. The License can support up to 50 Type 1 interfaces)	5608L-ENT1-EC	\$170,000	2	\$340,000.00	\$187,000.00	nGenius One - Local Servers (Admin sites)	Hardware purchase and refresh	Capital	Admin Sites	
13	8	nGeniusONE Standby Server (Linux), Enhanced Capacity	5608L-STB1-EC	\$132,500	2	\$265,000.00	\$145,750.00	nGenius One - Standby Servers (admin sites)	Hardware purchase and refresh	Capital	Admin Sites	
14	9	Extended Storage Unit (ESU) for InfiniStream, 96TB	ESU-US	\$90,000	0	\$0.00	\$0	Extended Storage units - (2) per Infinistream - Each additional ESU 96TB - Total Storage - 288TB	Hardware purchase and refresh	Capital	Admin Sites	
15				Total		\$4,003,000.00	\$2,201,650.00					
16												
17												
18	OPEX Support											
19	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Cateory Notes	Capital/TL	Location	
20	1	10G Infinistream - Support	4595/DS	\$19,600	18	\$352,800.00	\$229,320.00		Hardware Support/Maintenance	Tax Levy	Admin Sites	
21	2	10G Infinistream - Support	2995/DS	\$14,000	8	\$112,000.00	\$72,800.00		Hardware Support/Maintenance	Tax Levy	Admin Sites	
22	3	External Storage Unit	ESU-US	\$12,600	0	\$0.00	\$0.00		Hardware Support/Maintenance	Tax Levy	Admin Sites	
23	4	nGenius One Server - Support (nGenius One - Local Servers)	5608L-ENT1-EC	\$21,250	2	\$42,500.00	\$27,625.00		Hardware Support/Maintenance	Tax Levy	Admin Sites	
24	5	nGenius One - Standby Server	5608L-STB1-EC	\$10,625	2	\$21,250.00	\$13,812.50		Hardware Support/Maintenance	Tax Levy	Admin Sites	
25				Total		\$528,550.00	\$343,557.50					
26												
27												
28	CAPEX Implementation											
29	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks				
30	1	Implementation - Delivery Service – 1 Day	DS01-DELIVERY	\$2,000.00	0	\$18,000.00	\$0.00	Implementation charge per day - \$2000 (1 day per nGenius One Server - 1 day per 5 Infinistream devices)				
31				Total		\$18,000.00	\$0.00					
32												
33	Piscataway											
34	Hardware											

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1																						
2																						
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4																						
5	Category Notes	Capital/TL	Location	Amount																		
6	Hardware purchase and refresh	Capital	Admin Sites	2,201,650																		
7	Hardware Support/Maintenance	Tax Levy	Admin Sites	343,558																		
8	Hardware purchase and refresh	Capital	Piscataway	1,557,490																		
9	Hardware Support/Maintenance	Tax Levy	Piscataway	248,430																		
10	Hardware purchase and refresh	Capital	11th 8th Ave	2,685,100																		
11	Hardware Support/Maintenance	Tax Levy	11th 8th Ave	409,094																		
12	Hardware purchase and refresh	Capital	2MT	4,669,115																		
13	Hardware Support/Maintenance	Tax Levy	2MT	726,424																		
14	Total			12,840,860																		
15																						
16	Admin Sites			2,201,650																		
17	Total W/O Admin			8,911,705																		
18																						
19																						
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35	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Cateory Notes	Capital/TL	Location	
36	1	InfiniStream Appliance, 2-Port 40 Gigabit Configurable (QSFP+), 96TB (Expandable)	9807/US	\$325,000	4	\$1,300,000.00	\$715,000.00	40G Deployment (Internal Server farm uplink)	Hardware purchase and refresh	Capital	Piscataway	
37	2	QSFP+ MM, 40GBase-BiDi, 850/900nm, LC	321-2001	\$3,500	8	\$28,000.00	\$15,400.00	Transceiver for 40G Infinistream	Hardware purchase and refresh	Capital	Piscataway	
38	3	Kit, Tap, 1 Line/Link Fiber, 40GB BiDi, 50/50, 50um, MM, 1U, LC connections	340-1061	\$2,000	8	\$16,000.00	\$8,800.00	BiDi Taps for 40G	Hardware purchase and refresh	Capital	Piscataway	
39	4	QSFP+ MM, 40GBase-BiDi 850/900nm (Rx Only), LC	321-1829	\$3,000	16	\$48,000.00	\$26,400.00	BiDi Transceivers on PFS	Hardware purchase and refresh	Capital	Piscataway	
40	5	Kit, Rack Mount, Taps, 3 Slot, 1U	321-1503	\$200	4	\$800.00	\$440.00	Rackmount kits for BiDi Taps	Hardware purchase and refresh	Capital	Piscataway	
41	6	nGenius 3900 Series Packet Flow Switch – 3903 Chassis with 1 x P40-Blade, 12 x QSFP+ (40 GbE or 4 x 1/10 GbE) Ports AC Power	3903NAQC9100	\$100,000	1	\$100,000.00	\$55,000.00	Aggregation switch to be connected to taps between Nexus 7710 & Firewalls	Hardware purchase and refresh	Capital	Piscataway	
42	7	nGenius 3900 Series P40-Blade – 12 x QSFP+ (40 GbE or 4 x 1/10 GbE) Ports	3900NBQC9100	\$70,000	1	\$70,000.00	\$38,500.00	Additional 40G line cards on PFS	Hardware purchase and refresh	Capital	Piscataway	
43	8	InfiniStream Appliance, 4-Port 10 Gigabit Configurable (SFP+), 96TB (Expandable)	9895/US	\$300,000	3	\$900,000.00	\$495,000.00	Vendor DMZ, Web and App tiers	Hardware purchase and refresh	Capital	Piscataway	
44	9	Transceiver - SFP+ MM, 10GB SR, 850nm, LC	321-1486	\$750	12	\$9,000.00	\$4,950.00	Transceiver for 1G	Hardware purchase and refresh	Capital	Piscataway	
45	10	Extended Storage Unit (ESU) for InfiniStream, 96TB	ESU-US	\$90,000	4	\$360,000.00	\$198,000	Extended Storage units - (1) per Infinistream - Each additional ESU 96TB - Total Storage - 288TB	Hardware purchase and refresh	Capital	Piscataway	
46				Total		\$2,831,800.00	\$1,557,490.00					
47												
48												
49	OPEX Support											
50	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Cateory Notes	Capital/TL	Location	
51	1	40G Infinistream - Support	9807/US	\$45,500	4	\$182,000.00	\$118,300.00		Hardware Support/Maintenance	Tax Levy	Piscataway	
52	2	10G Infinistream - Support (96TB Model)	9895/US	\$42,000	3	\$126,000.00	\$81,900.00		Hardware Support/Maintenance	Tax Levy	Piscataway	
53	3	PFS (Chassis and one line card)	3903NAQC9100	\$14,000	1	\$14,000.00	\$9,100.00		Hardware Support/Maintenance	Tax Levy	Piscataway	
54	4	PFS - additional line card - 40G	3900NBQC9100	\$9,800	1	\$9,800.00	\$6,370.00		Hardware Support/Maintenance	Tax Levy	Piscataway	
55	5	External Storage Unit	ESU-US	\$12,600	4	\$50,400.00	\$32,760.00		Hardware Support/Maintenance	Tax Levy	Piscataway	
56				Total		\$382,200.00	\$248,430.00					
57												
58												
59	CAPEX Implementation											
60	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks				
61	1	Implementation - Delivery Service – 1 Day	DS01-DELIVERY	\$2,000.00	0	\$8,000.00	\$0.00	Implementation charge per day - \$2000 (1 day per nGenius One Server - 1 day per 5 Infinistream devices)				
62				Total		\$8,000.00	\$0.00					
63												
64	11th 8th Ave											
65	Hardware											
66	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Cateory Notes	Capital/TL	Location	



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67	1	nGeniusONE Server (Linux), Enhanced Capacity (nGeniusONE License pre-installed on a Linux-based, enhanced capacity server. The License can support up to 50 Type 1 interfaces)	5608L-ENT1-EC	\$170,000	1	\$170,000.00	\$93,500.00	nGenius One local servers - collection devices (Includes - Roving School Sites)	Hardware purchase and refresh	Capital	11th 8th Ave	
68	2	nGeniusONE Standby Server (Linux), Enhanced Capacity	5608L-STB1-EC	\$132,500	2	\$265,000.00	\$145,750.00	Standby servers for nGenius One and Performance manager for flows	Hardware purchase and refresh	Capital	11th 8th Ave	
69	3	InfiniStream Appliance, 2-Port 40 Gigabit Configurable (QSFP+), 96TB (Expandable)	9807/US	\$325,000	8	\$2,600,000.00	\$1,430,000.00	40G Deployment (Internal Server farm uplink)	Hardware purchase and refresh	Capital	11th 8th Ave	
70	4	QSFP+ MM, 40GBase-BiDi, 850/900nm, LC	321-2001	\$3,500	16	\$56,000.00	\$30,800.00	Bidi Transceiver for 40G Infinistream	Hardware purchase and refresh	Capital	11th 8th Ave	
71	5	Kit, Tap, 1 Line/Link Fiber, 40GB BiDi, 50/50, 50um, MM, 1U, LC connections	340-1061	\$2,000	28	\$56,000.00	\$30,800.00	BiDi Taps for 40G	Hardware purchase and refresh	Capital	11th 8th Ave	
72	6	QSFP+ MM, 40GBase-BiDi 850/900nm (Rx Only), LC	321-1829	\$3,000	56	\$168,000.00	\$92,400.00	BIDi Transceivers on PFS	Hardware purchase and refresh	Capital	11th 8th Ave	
73	7	Kit, Rack Mount, Taps, 3 Slot, 1U	321-1503	\$200	10	\$2,000.00	\$1,100.00	Rackmount kits for BiDi Taps	Hardware purchase and refresh	Capital	11th 8th Ave	
74	8	nGenius 3900 Series Packet Flow Switch – 3903 Chassis with 1 x P40-Blade, 12 x QSFP+ (40 GbE or 4 x 1/10 GbE) Ports AC Power	3903NAQC9100	\$100,000	4	\$400,000.00	\$220,000.00	Aggregation switch to be connected to taps between Nexus 7710 & Firewalls	Hardware purchase and refresh	Capital	11th 8th Ave	
75	9	nGenius 3900 Series P40-Blade – 12 x QSFP+ (40 GbE or 4 x 1/10 GbE) Ports	3900NBQC9100	\$70,000	4	\$280,000.00	\$154,000.00	Additional 40G line cards on PFS	Hardware purchase and refresh	Capital	11th 8th Ave	
76	10	nGenius Performance Manager for Flow, Enterprise Server (Linux), Enhanced Capacity	5508L-FLW-EC	\$165,000	1	\$165,000.00	\$90,750.00	Servers for SNMP router and switch port monitoring	Hardware purchase and refresh	Capital	11th 8th Ave	
77	11	Extended Storage Unit (ESU) for InfiniStream, 96TB	ESU-US	\$90,000	8	\$720,000.00	\$396,000	Extended Storage units - (1) per Infinistream - Each additional ESU 96TB - Total Storage - 288TB	Hardware purchase and refresh	Capital	11th 8th Ave	
78				Total		\$4,882,000.00	\$2,685,100.00					
79												
80												
81	OPEX Support											
82	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Category Notes	Capital/TL	Location	
83	1	nGenius One Server - Support (nGenius One - Local Servers)	5608L-ENT1-EC	\$21,250	1	\$21,250.00	\$13,812.50		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
84	2	Performance Manager for flows	5508L-FLW-EC	\$37,500	1	\$37,500.00	\$24,375.00		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
85	3	nGenius One - Standby Server	5608L-STB1-EC	\$10,625	1	\$10,625.00	\$6,906.25		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
86	4	40G Infinistream - Support	9807/US	\$45,500	8	\$364,000.00	\$236,600.00		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
87	5	PFS (Chassis and one line card)	3903NAQC9100	\$14,000	4	\$56,000.00	\$36,400.00		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
88	6	PFS - additional line card - 40G	3900NBQC9100	\$9,800	4	\$39,200.00	\$25,480.00		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
89	7	External Storage Unit	ESU-US	\$12,600	8	\$100,800.00	\$65,520.00		Hardware Support/Maintenance	Tax Levy	11th 8th Ave	
90				Total		\$629,375.00	\$409,093.75					
91												
92												
93	CAPEX Implementation											
94	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks				
95	1	Implementation - Delivery Service – 1 Day	DS01-DELIVERY	\$2,000.00	0	\$28,000.00	\$0.00	Implementation charge per day - \$2000 (1 day per nGenius One Server - 1 day per 5 Infinistream devices)				
96				Total		\$28,000.00	\$0.00					

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97												
98	2MT											
99	Hardware											
100	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Category Notes	Capital/TL	Location	
101	1	nGeniusONE, Dedicated Global Manager (Linux), Enhanced Capacity Server	5608L-DGM1-EC	\$85,000	1	\$85,000.00	\$46,750.00	Global Manager - One per cluster	Hardware purchase and refresh	Capital	2MT	
102	2	nGeniusONE Server (Linux), Enhanced Capacity (nGeniusONE License pre-installed on a Linux-based, enhanced capacity server. The License can support up to 50 Type 1 interfaces)	5608L-ENT1-EC	\$170,000	1	\$170,000.00	\$93,500.00	nGenius One local servers - collection devices (Includes - Roving School Sites)	Hardware purchase and refresh	Capital	2MT	
103	3	nGeniusONE Standby Server (Linux), Enhanced Capacity	5608L-STB1-EC	\$132,500	3	\$397,500.00	\$218,625.00	Standby servers for nGenius One and Performance manager for flows	Hardware purchase and refresh	Capital	2MT	
104	4	InfiniStream Appliance, 2-Port 40 Gigabit Configurable (QSFP+), 96TB (Expandable)	9807/US	\$325,000	12	\$3,900,000.00	\$2,145,000.00	40G Deployment (Internal Server farm uplink)	Hardware purchase and refresh	Capital	2MT	
105	5	QSFP+ MM, 40GBase-BiDi, 850/900nm, LC	321-2001	\$3,500	24	\$84,000.00	\$46,200.00	Transceiver for 40G Infinistream	Hardware purchase and refresh	Capital	2MT	
106	6	Kit, Tap, 1 Line/Link Fiber, 40GB BiDi, 50/50, 50um, MM, 1U, LC connections	340-1061	\$2,000	32	\$64,000.00	\$35,200.00	BiDi Taps for 40G	Hardware purchase and refresh	Capital	2MT	
107	7	QSFP+ MM, 40GBase-BiDi 850/900nm (Rx Only), LC	321-1829	\$3,000	64	\$192,000.00	\$105,600.00	BiDi Transceivers on PFS	Hardware purchase and refresh	Capital	2MT	
108	8	Kit, Rack Mount, Taps, 3 Slot, 1U	321-1503	\$200	24	\$4,800.00	\$2,640.00	Rackmount kits for BiDi Taps	Hardware purchase and refresh	Capital	2MT	
109	9	nGenius 3900 Series Packet Flow Switch – 3903 Chassis with 1 x P40-Blade, 12 x QSFP+ (40 GbE or 4 x 1/10 GbE) Ports AC Power	3903NAQC9100	\$100,000	5	\$500,000.00	\$275,000.00	Aggregation switch to be connected to taps between Nexus 7710 & Firewalls	Hardware purchase and refresh	Capital	2MT	
110	10	nGenius 3900 Series P40-Blade – 12 x QSFP+ (40 GbE or 4 x 1/10 GbE) Ports	3900NBQC9100	\$70,000	5	\$350,000.00	\$192,500.00	Additional 40G line cards on PFS	Hardware purchase and refresh	Capital	2MT	
111	11	InfiniStream Appliance, 4-Port 10 Gigabit Configurable (SFP+), 96TB (Expandable)	9895/US	\$300,000	3	\$900,000.00	\$495,000.00	Vendor DMZ, Web and App tiers	Hardware purchase and refresh	Capital	2MT	
112	12	Transceiver - SFP+ MM, 10GB SR, 850nm, LC	321-1486	\$750	12	\$9,000.00	\$4,950.00	Transceiver for 1G	Hardware purchase and refresh	Capital	2MT	
113	13	nGenius Packet Flow Switch Management Server (Linux)	5512L-ENT	\$50,000	1	\$50,000.00	\$27,500.00	Packet flow Switch - Central Manager	Hardware purchase and refresh	Capital	2MT	
114	14	nGenius Packet Flow Switch Management Standby Server (Linux)	5512L-STB	\$25,000	1	\$25,000.00	\$13,750.00	Packet flow Switch - Standby Server	Hardware purchase and refresh	Capital	2MT	
115	15	nGenius Performance Manager for Flow, Enterprise Server (Linux), Enhanced Capacity	5508L-FLW-EC	\$165,000	1	\$165,000.00	\$90,750.00	Servers for SNMP router and switch port monitoring	Hardware purchase and refresh	Capital	2MT	
116	16	nGenius 3900 Series Packet Flow Switch - P-Blade with 32 x 1Gb/10Gb & 4 x 40Gb Ports OR 48 x 1Gb/10Gb Ports	3900NBPC3100	\$80,000	1	\$80,000.00	\$44,000.00	Additional line card on PFS to monitor Intra Data center connectivity on demand using span	Hardware purchase and refresh	Capital	2MT	
117	17	Transceiver - SFP+ MM, 10GB SR, 850nm, LC	321-1486	\$750	12	\$9,000.00	\$4,950.00	SFP's for PFS - span Intra Data center connectivity	Hardware purchase and refresh	Capital	2MT	
118	18	Extended Storage Unit (ESU) for InfiniStream, 96TB	ESU-US	\$90,000	12	\$1,080,000.00	\$594,000	Extended Storage units - (1) per Infinistream - Each additional ESU 96TB - Total Storage - 288TB	Hardware purchase and refresh	Capital	2MT	
119				Total		\$8,065,300.00	\$4,435,915.00					
120												
121												
122	Remote School Probes											
123	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Category Notes	Capital/TL	Location	
124	1	nGenius InfiniStream, 4-Port Gigabit Configurable, 12TB (Expandable)	4595/DS	\$140,000	3	\$420,000.00	\$231,000.00	Roving Infinistreams to be deployed to select schools when required for Schools	Hardware purchase and refresh	Capital	2MT	
125	2	Gigabit SX Ethernet SFP, 8-Pack	321-1582	\$2,000	2	\$4,000.00	\$2,200.00	SFP	Hardware purchase and refresh	Capital	2MT	

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126				Total		\$424,000.00	\$233,200.00					
127												
128												
129	OPEX Support											
130	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks	Cateory Notes	Capital/TL	Location	
131	1	Dedicated Global Manager - Support	5608L-DGM1-EC	\$4,250	1	\$4,250.00	\$2,762.50		Hardware Support/Maintenance	Tax Levy	2MT	
132	2	nGenius One Server - Support (nGenius One - Local Servers)	5608L-ENT1-EC	\$21,250	1	\$21,250.00	\$13,812.50		Hardware Support/Maintenance	Tax Levy	2MT	
133	3	Performance Manager for flows	5508L-FLW-EC	\$37,500	1	\$37,500.00	\$24,375.00		Hardware Support/Maintenance	Tax Levy	2MT	
134	4	nGenius One - Standby Server	5608L-STB1-EC	\$10,625	3	\$31,875.00	\$20,718.75		Hardware Support/Maintenance	Tax Levy	2MT	
135	5	40G Infinistream - Support	9807/US	\$45,500	12	\$546,000.00	\$354,900.00		Hardware Support/Maintenance	Tax Levy	2MT	
136	6	10G Infinistream - Support (96TB Model)	9895/US	\$42,000	3	\$126,000.00	\$81,900.00		Hardware Support/Maintenance	Tax Levy	2MT	
137	7	PFS (Chassis and one line card)	3903NAQC9100	\$14,000	5	\$70,000.00	\$45,500.00		Hardware Support/Maintenance	Tax Levy	2MT	
138	8	PFS - additional line card - 40G	3900NBQC9100	\$9,800	5	\$49,000.00	\$31,850.00		Hardware Support/Maintenance	Tax Levy	2MT	
139	9	PFS - additional line card - 10G	3900NBPC3100	\$11,200	1	\$11,200.00	\$7,280.00		Hardware Support/Maintenance	Tax Levy	2MT	
140	10	nGenius Packet Flow Switch Management Server (Linux)	5512L-ENT	\$7,000	1	\$7,000.00	\$4,550.00		Hardware Support/Maintenance	Tax Levy	2MT	
141	11	nGenius Packet Flow Switch Management Standby Server (Linux)	5512L-STB	\$3,500	1	\$3,500.00	\$2,275.00		Hardware Support/Maintenance	Tax Levy	2MT	
142	12	External Storage Unit	ESU-US	\$12,600	12	\$151,200.00	\$98,280.00		Hardware Support/Maintenance	Tax Levy	2MT	
143	13	10G Infinistream - Support	4595/DS	\$19,600	3	\$58,800.00	\$38,220.00		Hardware Support/Maintenance	Tax Levy	2MT	
144				Total		\$1,117,575.00	\$726,423.75					
145												
146												
147	CAPEX Professional Service											
148	Serial Number	Description	Model Number	Unit Price	Qty	List Price	DoITT Price	Remarks				
149	1	Implementation - Delivery Service – 1 Day	DS01-DELIVERY	\$2,000.00	0	\$132,000.00	\$0.00	Implementation charge per day - \$2000 (1 day per nGenius One Server - 1 day per 5 Infinistream devices) - 3 months onsite				
150				Total		\$132,000.00	\$0.00					
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1	Taken from Quote See Quote Backup															
2																
3	Puppet															
4																
5	10/26/2016															
6																
7	Item	Qty	CDW#	Unit Price	Ext. Price	Cateory Notes	Capital/TL									
8	Mfg. Part#: NEW-ITEM PE25004999PL-G16 Puppet Enterprise 2500- 4999 nodes Perpetual License Contract: MARKET	2500	New Item	190	475,000	Software licenses/upgrades	Capital									
9	Mfg. Part#: NEW-ITEM Puppet Enterprise 2500- 4999 nodes Perpetual Premium Support Subscription** Contract: MARKET	2500	New Item	66	165,000	Software support/maintenance	Tax Levy									
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1	RAMP	Taken from Quote See Quote Backup				
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3	Date	9/29/2017				
4						
5	PTS Data Center Solutions is pleased to submit this quote for equipment and/or services.					
6						
7	Item	Description	Qty	Unit Price	Total	Cateory Notes
8	Software	No Limits Software Rack Management Platform (RAMP) Software Perpetual Device License	1.00	450,000.00	450,000.00	Software licenses/upgrades
9	Annual Support	No Limits Software RAMP Software Annual Maintenance	1.00	81,000.00	81,000.00	Software support/maintenance
10	Services	No Limits Software RAMP Software Installation, Configuration, and End User / Administrator Training (One-Time Charge) - Client to provide all necessary network, connectivity, server and storage required for installation - Training limited to five (5) live or online session within six (6) months from date of successful installation	1.00	15,000.00	15,000.00	Contract/consulting services (project management, development consultants, etc.)
11	Optional Services	Professional Services including discovery and setup (30 rack data center per 1000 assets)	3.00	15,000.00	45,000.00	Contract/consulting services (project management, development consultants, etc.)
12	Total				591,000.00	
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7	Capital/TL																			
8	Capital																			
9	Tax Levy																			
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3	<b>DCP Other Than Service Requests Form (DIIT OTSR 4122)</b>									
4		Requested By:	Alex Horwatt / Nadun Dasanayake		Date of Requisition:	2/10/2017				
5										
6		Department:	CTO		Funding Source:	Capital & Tax Levy (see details below)				
7										
8		Phone Number:	718-935-5520		Budgeted	Yes				
9										
10					Object Code:	0198				
11										
12		Project Name / Title:	Network Flow Monitoring Tool - Hardware, Software, SW Maintenance and Installation Services - <i>Multiyear (5 Years Total)</i>							
13										
14										
15	<b>Year 1 - Hardware/Software Purchase</b>									
16	Item #	Product #	Description	Type	Funding Source	Unit Volume	Qty	List Price	Total	
17	1	SCNP-04270-UI-B010	SteelCentral Enterprise Profiler User Interface Module, 1U (qty 1 required)	Hardware	Capital	Each	1	\$42,995	\$ 42,995.00	
18	2	SCNP-04270-DB-B020	SteelCentral Enterprise Profiler Database Module, 1U (qty 1 required)	Hardware	Capital	Each	1	\$57,595	\$ 57,595.00	
19	3	SCNP-04270-AN-B030	SteelCentral Enterprise Profiler Analysis Module, 2U (qty 1 required)	Hardware	Capital	Each	1	\$137,695	\$ 137,695.00	
20	4	SCNP-04270-EX-B040	SteelCentral Enterprise Profiler Expansion Module, 2U (max of 9 = 10M FPM)	Hardware	Capital	Each	9	\$137,695	\$ 1,239,255.00	
21	5	SCNP-04270-DP-B050	SteelCentral Enterprise Profiler Dispatcher Module, 1U (req with >=5 SCNP-04270-EX-B040)	Hardware	Capital	Each	1	\$47,695	\$ 47,695.00	
22	6	SCFG-02270-B010	SteelCentral Flow Gateway SCFG-02270-B010,	Hardware	Capital	Each	5	\$19,995	\$ 99,975.00	
23	7	LIC-SCNP-04270-UI-F1	SteelCentral Enterprise Profiler UI License (qty 1 required)	Perpetual SW	Capital	Each	1	\$4,000	\$ 4,000.00	
24	8	LIC-SCNP-04270-DB-F1	SteelCentral Enterprise Profiler DB License (qty 1 required)	Perpetual SW	Capital	Each	1	\$6,400	\$ 6,400.00	
25	9	LIC-SCNP-04270-AN-F1	SteelCentral Enterprise Profiler AN License 1M FPM (qty 1 required)	Perpetual SW	Capital	Each	1	\$15,300	\$ 15,300.00	
26	10	LIC-SCNP-04270-EX-F1	SteelCentral Enterprise Profiler EX License 1M FPM	Perpetual SW	Capital	Each	9	\$15,300	\$ 137,700.00	
27	11	LIC-SCNP-04270-DP-F1	SteelCentral Enterprise Profiler DP License 1M FPM	Perpetual SW	Capital	Each	1	\$5,300	\$ 5,300.00	
28	12	LIC-SCFG-02270-F6	STEELCENTRAL FLOW GATEWAY LICENSE FOR 2M FPM	Perpetual SW	Capital	Each	5	\$99,000	\$ 495,000.00	

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29	13	SVC-C-0325-PFPK-0303	SteelCentral NetProfiler <b>Advanced Implementation Service</b> : Solution enablement for 1 NetProfiler, up to 2 NetSharks, up to 2 Flow Gateways and up to 10 Virtual Sharks. Service includes planning, design, configuration, documentation and knowledge transfer. Configuration includes definition and data collection validation for up to 10 applications, creation for up to 2 native dashboards, up to 5 application service maps, up to 1 standard Portal dashboard per app, up to 2 custom Portal dashboards per app, up to 2 alerts per app, up to 10 custom reports, and up to 1 Portal application map per app. Excludes T&E. Excludes T&E.	Install Service	Capital	Each	1	\$43,200.00	\$ 43,200.00	
30	14	SVC-C-0327-PFPK-0314	Implementation service for <b>1 Flow Gateway appliance</b> . Service includes planning and configuration. Completed pre-configuration checklist is required. Remote only. See Professional Services literature for full scope and deliverables.	Install Service	Capital	Each	3	\$ 3,000.00	\$ 9,000.00	
31	15	SVC-PSD-00215	SteelCentral Time & Materials Consulting day	Install Service	Capital	Each	5	\$ 2,400.00	\$ 12,000.00	
32	16	SVC-PJM-00002	Hourly Time and Materials for SteelCentral Project Mangement Consulting Charges. Excludes T&E.	Install Service	Capital	Each	8	\$ 300.00	\$ 2,400.00	
33	17	SVC-EXP-00004	SteelCentral T&E Expenses per day for on-site engagements	Install Service	Capital	Each	20	\$ 500.00	\$ 10,000.00	
34	18	MNT-GLD-SCNP-04270-UI	SteelCentral Enterprise Profiler SCNP-04270-UI Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$7,740	\$ 7,740.00	
35	19	MNT-GLD-SCNP-04270-DB	SteelCentral Enterprise Profiler SCNP-04270-DB Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$10,536	\$ 10,536.00	
36	20	MNT-GLD-SCNP-04270-AN	SteelCentral Enterprise Profiler SCNP-04270-AN Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$25,212	\$ 25,212.00	
37	21	MNT-GLD-SCNP-04270-EX	SteelCentral Enterprise Profiler SCNP-04270-EX Gold Support	SW Support Maintenance	Tax Levy	Each	9	\$25,212	\$ 226,908.00	
38	22	MNT-GLD-SCNP-04270-DP	SteelCentral Enterprise Profiler SCNP-04270-DP Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$8,736	\$ 8,736.00	
39	23	MNT-GLD-SCFG-02270-F6	SteelCentral Flow Gateway SCFG-02270-F6 Gold Support	SW Support Maintenance	Tax Levy	Each	5	\$19,608	\$ 98,040.00	
40	<b>Year 1 Capital Cost</b>								\$ 2,365,510.00	
41	<b>Year 1 Tax Levy Cost</b>								\$ 377,172.00	
42	<b>Year 1 Total Cost</b>								<b>\$ 2,742,682.00</b>	
43										
44	<b>Year 2</b>									
45	<b>Item #</b>	<b>Product #</b>	<b>Description</b>	<b>Type</b>	<b>Funding Source</b>	<b>Unit of Issue</b>	<b>Qty</b>	<b>List Price</b>	<b>Total</b>	
46	18	MNT-GLD-SCNP-04270-UI	SteelCentral Enterprise Profiler SCNP-04270-UI Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 7,972.20	\$ 7,972.20	
47	19	MNT-GLD-SCNP-04270-DB	SteelCentral Enterprise Profiler SCNP-04270-DB Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$10,852.08	\$ 10,852.08	
48	20	MNT-GLD-SCNP-04270-AN	SteelCentral Enterprise Profiler SCNP-04270-AN Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$25,968.36	\$ 25,968.36	



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49	21	MNT-GLD-SCNP-04270-EX	SteelCentral Enterprise Profiler SCNP-04270-EX Gold Support	SW Support Maintenance	Tax Levy	Each	9	\$25,968.36	\$ 233,715.24	
50	22	MNT-GLD-SCNP-04270-DP	SteelCentral Enterprise Profiler SCNP-04270-DP Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 8,998.08	\$ 8,998.08	
51	23	MNT-GLD-SCFG-02270-F6	SteelCentral Flow Gateway SCFG-02270-F6 Gold Support	SW Support Maintenance	Tax Levy	Each	5	\$20,196.24	\$ 100,981.20	
52	Year 2 Estimated Tax Levy Total Cost								\$ 388,487.16	
53										
54	Year 3									
55	Item #	Product #	Description	Type	Funding Source	Unit of Issue	Qty	List Price	Total	
56	18	MNT-GLD-SCNP-04270-UI	SteelCentral Enterprise Profiler SCNP-04270-UI Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 8,211.37	\$ 8,211.37	
57	19	MNT-GLD-SCNP-04270-DB	SteelCentral Enterprise Profiler SCNP-04270-DB Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$11,177.64	\$ 11,177.64	
58	20	MNT-GLD-SCNP-04270-AN	SteelCentral Enterprise Profiler SCNP-04270-AN Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$26,747.41	\$ 26,747.41	
59	21	MNT-GLD-SCNP-04270-EX	SteelCentral Enterprise Profiler SCNP-04270-EX Gold Support	SW Support Maintenance	Tax Levy	Each	9	\$26,747.41	\$ 240,726.70	
60	22	MNT-GLD-SCNP-04270-DP	SteelCentral Enterprise Profiler SCNP-04270-DP Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 9,268.02	\$ 9,268.02	
61	23	MNT-GLD-SCFG-02270-F6	SteelCentral Flow Gateway SCFG-02270-F6 Gold Support	SW Support Maintenance	Tax Levy	Each	5	\$20,802.13	\$ 104,010.64	
62	Year 3 Estimated Tax Levy Total Cost								\$ 400,141.77	
63										
64	Year 4									
65	Item #	Product #	Description	Type	Funding Source	Unit of Issue	Qty	List Price	Total	
66	18	MNT-GLD-SCNP-04270-UI	SteelCentral Enterprise Profiler SCNP-04270-UI Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 8,457.71	\$ 8,457.71	
67	19	MNT-GLD-SCNP-04270-DB	SteelCentral Enterprise Profiler SCNP-04270-DB Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$11,512.97	\$ 11,512.97	
68	20	MNT-GLD-SCNP-04270-AN	SteelCentral Enterprise Profiler SCNP-04270-AN Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$27,549.83	\$ 27,549.83	
69	21	MNT-GLD-SCNP-04270-EX	SteelCentral Enterprise Profiler SCNP-04270-EX Gold Support	SW Support Maintenance	Tax Levy	Each	9	\$27,549.83	\$ 247,948.50	
70	22	MNT-GLD-SCNP-04270-DP	SteelCentral Enterprise Profiler SCNP-04270-DP Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 9,546.06	\$ 9,546.06	
71	23	MNT-GLD-SCFG-02270-F6	SteelCentral Flow Gateway SCFG-02270-F6 Gold Support	SW Support Maintenance	Tax Levy	Each	5	\$21,426.19	\$ 107,130.96	
72	Year 4 Estimated Tax Levy Total Cost								\$ 412,146.03	
73										
74	Year 5									
75	Item #	Product #	Description	Type	Funding Source	Unit of Issue	Qty	List Price	Total	
76	18	MNT-GLD-SCNP-04270-UI	SteelCentral Enterprise Profiler SCNP-04270-UI Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 8,711.44	\$ 8,711.44	
77	19	MNT-GLD-SCNP-04270-DB	SteelCentral Enterprise Profiler SCNP-04270-DB Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$11,858.36	\$ 11,858.36	
78	20	MNT-GLD-SCNP-04270-AN	SteelCentral Enterprise Profiler SCNP-04270-AN Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$28,376.33	\$ 28,376.33	
79	21	MNT-GLD-SCNP-04270-EX	SteelCentral Enterprise Profiler SCNP-04270-EX Gold Support	SW Support Maintenance	Tax Levy	Each	9	\$28,376.33	\$ 255,386.95	

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80	22	MNT-GLD-SCNP-04270-DP	SteelCentral Enterprise Profiler SCNP-04270-DP Gold Support	SW Support Maintenance	Tax Levy	Each	1	\$ 9,832.44	\$ 9,832.44	
81	23	MNT-GLD-SCFG-02270-F6	SteelCentral Flow Gateway SCFG-02270-F6 Gold Support	SW Support Maintenance	Tax Levy	Each	5	\$22,068.98	\$ 110,344.88	
82	Year 5 Estimated Tax LevyTotal Cost								\$ 424,510.41	
83										
84	Summary									
85	Estimated Capital Total Costs								\$ 2,365,510.00	
86	Estimated Tax Levy Total Costs								\$ 2,002,457.37	
87	Estimated Total Costs								\$ 4,367,967.37	
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2	Taken from Quote See Quote Backup								
3									
4	SPLUNK								
5	Quote	195601							
6									
7	Item	Description	Qty	Total Unit Price	Total Price	Category Notes	Capital/TL		Category Notes
8	SE-PLIC	Splunk Enterprise - Perpetual License - GB/day	750 GB/day	1,300	975,000	Software licenses/upgrades	Capital		Software licenses/upgrades
9	EDUUNIT-1	Education service Unit	25	500	12,500	Training	Tax Levy		Training
10	PSDEPUS-5	Splunk Professional Services Deployment, 5 Days	6	12,500	75,000	Contract/consulting services (project management, development consultants, etc.)	Capital		Contract/consulting services (project management, development consultants, etc.)
11	SE-PESUP	Splunk Enterprise - Enterprise Support	1	195,000	195,000	Software support/maintenance	Tax Levy		Software support/maintenance
12	Total				1,257,500				Total
13									
14	Quote	199491							
15	Item	Description	Qty	Total Unit Price	Total Price	Category Notes	Capital/TL		
16	ES-PLIC	Splunk Enterprise Security - Perpetual License - GB/day	750 GB/day	325	243,750	Software licenses/upgrades	Capital		
17	EDUICESS-1	Administering Enterprise Security V4, 1 Student	1	1,500	1,500	Training	Tax Levy		
18	EDUUCESS-1	Using Splunk Enterprise Security V4, 1 student	1	1,000	1,000	Training	Tax Levy		
19	PSDEPUS-5	Splunk Professional Services Deployment, 5 Days	10	12,500	125,000	Contract/consulting services (project management, development consultants, etc.)	Capital		
20	ES-PESUP	Splunk Enterprise Security - Enterprise Support	1	48,750	48,750	Software support/maintenance	Tax Levy		
21	Total				420,000				
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8	1,218,750																		
9	15,000																		
10	200,000																		
11	243,750																		
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1	Taken from Quote See Quote Backup															
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3	Teledyne															
4	Quote	SQU068712 rev1														
5	Model/Description	Qty	Unit Price	Total	Cateory Notes	Capital/TL										
6	SierraNet M168 8-port Platform, 16 GB Memory.Includes USB and Ehernet cables, 1 year warranty. Does not include transceiversor optical cables	2	19,950	39,900	Hardware purchase and refresh	Capital										
7	AC022XXA-X 1U Zero Carrying Case (for use with SierraNet M408 / M168)	2	995	1,990	Hardware purchase and refresh	Capital										
8	TS009XXX-W One Year Extended Hardware Warranty for NET-T016-168-X	2	2,900	5,800	Hardware Support/Maintenance	Tax Levy										
9	NET-T016-004-A SierraNet Fibre Channel Protocol Analysis--License for 4-ports	2	9,950	19,900	Hardware purchase and refresh	Capital										
10	NET-T010-004-A SierraNet 10G Ethernet / FCoE / iSCSI Analysis--License for 4-ports	2	9,950	19,900	Hardware purchase and refresh	Capital										
11	Total			87,490												
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3	Product SKU	Product Type	Hypervisor Type	Licenses Uite	Veeam Product Description	MSRP, USD (Americas)	Cateory Notes
4	P-VBRENT-VS-P0000-00☐	New License	Vmware	Qty 332	Veeam Backup & Replication Enterprise for VMware - Public Sector ☐	433,260	Software licenses/upgrades
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1			Wireless for Admin site - Equipment estimates					
2		Part Number (SKU)	Part Description	Quantit	List Price	One Time	Annual Recurring	
3			<b>Mobility Controller</b>					
4		7210-US	Aruba 7210 Mobility Controller with 4x 10GBase-x (SFP/SFP+)	31	\$16,995.00	\$ 526,845.00		
5								
6			<b>Access Point Licensing</b>					
7								
8		LIC-128-AP	Access Point License (128 Access Point License)	20	\$ 8,160.00	\$ 163,200.00		
9		LIC-PEFNG-128	Policy Enforcement Firewall (128 AP License)	20	\$ 7,200.00	\$ 144,000.00		
10		LIC-64-AP	Access Point License (64 Access Point License)	13	\$ 4,320.00	\$ 56,160.00		
11		LIC-PEFNG-64	Policy Enforcement Firewall (64 AP License)	13	\$ 3,800.00	\$ 49,400.00		
12		LIC-256-AP	Access Point License (256 Access Point License)	1	\$15,510.00	\$ 15,510.00		
13		LIC-PEFNG-256	Policy Enforcement Firewall (256 AP License)	1	\$13,600.00	\$ 13,600.00		
14								
15			<b>Maintenance support - 1 Year</b>					
16								
17		SN1-7210-US	ARUBACARE NBD SUPPORT FOR 7210-US (1 YEAR)	31	\$ 2,380.00		\$ 73,780.00	
18		SN1-LIC-128-AP	ARUBACARE SUPPORT FOR LIC-128-AP (1 YEAR)	20	\$ 1,140.00		\$ 22,800.00	
19		SN1-LIC-PEFNG-	ARUBACARE SUPPORT FOR LIC-PEFNG-128 (1 YEAR)	20	\$ 1,010.00		\$ 20,200.00	
20		SN1-LIC-64-AP	ARUBACARE SUPPORT FOR LIC-64-AP (1 YEAR)	13	\$ 605.00		\$ 7,865.00	
21		SN1-LIC-PEFNG-64	ARUBACARE SUPPORT FOR LIC-PEFNG-64 (1 YEAR)	13	\$ 530.00		\$ 6,890.00	
22		SN1-LIC-256-AP	ARUBACARE SUPPORT FOR LIC-256-AP (1 YEAR)	1	\$ 2,170.00		\$ 2,170.00	
23		SN1-LIC-PEFNG-	ARUBACARE SUPPORT FOR LIC-PEFNG-256 (1 YEAR)	1	\$ 1,905.00		\$ 1,905.00	
24								
25			<b>School Wireless Access Point</b>					
26		AP-225	Aruba AP-225 Wireless Access Point, 802.11ac, 3x3:3, dual radi	2000	\$ 1,295.00	\$ 2,590,000.00		
27			Limited Lifetime Warranty	1	\$ -	\$ -		
28								
29			<b>Access Management</b>					
30		CP-HW-25K	Aruba ClearPass Policy Manager 25K HW Appliance	4	\$65,000.00	\$ 260,000.00		
31		LIC-CP-OB-2500	Onboard License for - 2,500 devices -	5	\$54,000.00	\$ 270,000.00		
32		SA1-CP-HW-25K	NBD SUPPORT FOR CP-HW-25K (1 YEAR)	4	\$11,700.00		\$ 46,800.00	
33		EN1-LIC-CP-OB-	SUPPORT FOR LIC-CP-OB-2500 (1 YEAR)	5	\$ 3,240.00		\$ 16,200.00	
34			<b>Totals</b>			\$ 4,088,715.00	\$ 198,610.00	
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3	Address	Site Integration Totals												
4	65 Court Street	961,887												
5	131 Livingston Street	442,691												
6	1665 Saint Marks Avenue	120,447												
7	1106 E. 95th Street	235,607												
8	2 Metro Tech	144,662												
9	335 Adams Street 5,6,28,29 Floors	346,506												
10	415 89th Street	408,209												
11	5619 Flatlands Avenue	232,391												
12	1780 Ocean Avenue	389,638												
13	4360 Broadway	217,472												
14	100 Gold Street	132,516												
15	388 West 125th Street	331,360												
16	400 1st Avenue	514,784												
17	209 WEST 125 STREET	331,360												
18	52 Chambers, 48/49C	451,164												
19	333 7th Avenue	393,273												
20	90-27 Sutphin Blvd	278,668												
21	28-11 Queens Plaza North	432,989												
22	82-01 Rockaway Blvd	282,707												
23	30-48 Linden Place	421,091												
24	45 -18 Court Square	341,097												
25	715 Ocean Terrace- "A" Building	272,090												
26	501 Courtland Avenue	251,349												
27	1 Fordham Plaza	241,706												
28	1230 Zerega Avenue	145,672												
29	3450 East Tremont	167,921												
30		8,489,258												
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1	<b>DCP Other Than Service Requests Form (DIIT OTSR 4126) - UPDATED</b>							
2		Requested By:	Alex Horwatt / Nadun Dasanayake			Date of Requisition:	1/20/2017	
3		Department:	CTO			Funding Source:	Capital & Tax Levy (s	
4								
5								
6		Phone Number:	718-935-5520			Budgeted (Yes/No):	Yes	
7								
8						Object Code:	0198 (SW Support)	
9								
10		Project Name / Title:	Secure Web Gateway - Hardware, Software, Software Maintenance & Professional Services - Multiyear (5 Year					
11								
12	<b>Year 1</b>							
13	<b>Item #</b>	<b>Product #</b>	<b>Description</b>	<b>Type</b>	<b>Funding Source</b>	<b>Unit Volume</b>	<b>Qty</b>	<b>List Price</b>
14	1	ZSC-PRIVZENHW2	Zscaler Private Enforcement Node Hardware supporting maximum 3 ZEN	Hardware	Capital	Each	288	\$ 22,000
15	2	ZSC-PRIVZENS	Zscaler Private Enforcement Node Instance - 1 Year Management Fee	Hardware	Capital	Each	720	\$ 22,000
16	3	ZSC-PRIVNANO-HA	Zscaler Private Nanology Cluster or 3 servers - 1 Year Management Fee	Hardware	Capital	Each	4	\$ 140,000
17	4	ZSC-PRIVPORTA	Zscaler Private Portal dashboard for Private ZENs - 1 Year Management Fee	Hardware	Capital	Each	4	\$ 9,750
18	5	ZSC-SWITCH-PSY-PRE	Zscaler Managed Perpetual Switch 5 yrs HW support	Hardware	Capital	Each	48	\$ 18,000
19	6	ZCES-PRO-SVC-DAS	Professional Services DAS	Professional Services	Capital	Each	1	\$ 170,000.00
20	7	ZCES-PRO-SVC-DC	Professional Services Data Center Build #1	Professional Services	Capital	Each	1	\$ 62,500.00
21	8	ZCES-PRO-SVC	Professional Services Data Center Build #2	Professional Services	Capital	Each	1	\$ 62,500.00
22	9	ZSC-SIP	Secure Internet Platform	Software Subscription	Tax Levy	Each	#####	\$ 0.75
23	10	ZSUITE-WEBENT	Business Web Suite	Software Subscription	Tax Levy	Each	#####	\$ 1.75
24	11	ZSEC-WEB-ABA	Advanced Behavioral Analysis	Software Subscription	Tax Levy	Each	#####	\$ 1.50
25	12	ZFW-NG-WITH-LOG	Cloud Firewall	Software Subscription	Tax Levy	Each	#####	\$ 1.80
26	13	ZCES-SUP-PREM	Premium Support	Software Maintenance	Tax Levy	Each	1	\$ 975,000.00
27	<b>Year 1 Capital Cost</b>							
28	<b>Year 1 Tax Levy Cost</b>							
29	<b>Year 1 Estimated Total Cost</b>							
30								
31	<b>Year 2</b>							
32	<b>Item #</b>	<b>Product #</b>	<b>Description</b>		<b>Funding Source</b>	<b>Unit of Issue</b>	<b>Qty</b>	<b>List Price</b>

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13	<b>Total</b>	<b>Category Notes</b>	<b>Capital/TL</b>		<b>Category Notes</b>
14	\$ 6,336,000.00	Hardware purchase and refresh	Capital		Hardware purchase and refresh
15	\$ 15,840,000.00	Hardware purchase and refresh	Capital		Contract/consulting services (project management, development consultants, etc.)
16	\$ 560,000.00	Hardware purchase and refresh	Capital		Software licenses/upgrades
17	\$ 39,000.00	Hardware purchase and refresh	Capital		Software support/maintenance
18	\$ 864,000.00	Hardware purchase and refresh	Capital		Total
19	\$ 170,000.00	Contract/consulting services (project management, development consultants, etc.)	Capital		
20	\$ 62,500.00	Contract/consulting services (project management, development consultants, etc.)	Capital		
21	\$ 62,500.00	Contract/consulting services (project management, development consultants, etc.)	Capital		
22	\$ 915,000.00	Software licenses/upgrades	Tax Levy		
23	\$ 2,135,000.00	Software licenses/upgrades	Tax Levy		
24	\$ 1,830,000.00	Software licenses/upgrades	Tax Levy		
25	\$ 2,196,000.00	Software licenses/upgrades	Tax Levy		
26	\$ 975,000.00	Software support/maintenance	Tax Levy		
27	\$ 23,934,000.00				
28	\$ 8,051,000.00				
29	\$ 31,985,000.00				
30					
31					
32	<b>Total</b>	<b>Category Notes</b>	<b>Capital/TL</b>		

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13	Amount																		
14	23,639,000																		
15	295,000																		
16	37,567,445																		
17	5,176,407																		
18	61,501,445																		
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33	9	ZSC-SIP	Secure Internet Platform	Software Subscription	Tax Levy	Each	#####	\$ 0.77
34	10	ZSUITE-WEBENT	Business Web Suite	Software Subscription	Tax Levy	Each	#####	\$ 1.80
35	11	ZSEC-WEB-ABA	Advanced Behavioral Analysis	Software Subscription	Tax Levy	Each	#####	\$ 1.55
36	12	ZFW-NG-WITH-LOG	Cloud Firewall	Software Subscription	Tax Levy	Each	#####	\$ 1.85
37	13	ZCES-SUP-PREM	Premium Support	Software Maintenance	Tax Levy	Each	1	\$ 1,004,250.00
38	<b>Year 2 Estimated Tax Levy Total Cost</b>							
39								
40	<b>Year 3</b>							
41	<b>Item #</b>	<b>Product #</b>	<b>Description</b>		<b>Funding Source</b>	<b>Unit of Issue</b>	<b>Qty</b>	<b>List Price</b>
42	9	ZSC-SIP	Secure Internet Platform	Software Subscription	Tax Levy	Each	#####	\$ 0.80
43	10	ZSUITE-WEBENT	Business Web Suite	Software Subscription	Tax Levy	Each	#####	\$ 1.86
44	11	ZSEC-WEB-ABA	Advanced Behavioral Analysis	Software Subscription	Tax Levy	Each	#####	\$ 1.59
45	12	ZFW-NG-WITH-LOG	Cloud Firewall	Software Subscription	Tax Levy	Each	#####	\$ 1.91
46	13	ZCES-SUP-PREM	Premium Support	Software Maintenance	Tax Levy	Each	1	\$ 1,034,377.50
47	<b>Year 3 Estimated Tax LevyTotal Cost</b>							
48								
49	<b>Year 4</b>							
50	<b>Item #</b>	<b>Product #</b>	<b>Description</b>		<b>Funding Source</b>	<b>Unit of Issue</b>	<b>Qty</b>	<b>List Price</b>
51	9	ZSC-SIP	Secure Internet Platform	Software Subscription	Tax Levy	Each	#####	\$ 0.82
52	10	ZSUITE-WEBENT	Business Web Suite	Software Subscription	Tax Levy	Each	#####	\$ 1.91
53	11	ZSEC-WEB-ABA	Advanced Behavioral Analysis	Software Subscription	Tax Levy	Each	#####	\$ 1.64
54	12	ZFW-NG-WITH-LOG	Cloud Firewall	Software Subscription	Tax Levy	Each	#####	\$ 1.97
55	13	ZCES-SUP-PREM	Premium Support	Software Maintenance	Tax Levy	Each	1	\$ 1,065,408.83
56	<b>Year 4 Estimated Tax Levy Total Cost</b>							
57								
58	<b>Year 5</b>							
59	<b>Item #</b>	<b>Product #</b>	<b>Description</b>		<b>Funding Source</b>	<b>Unit of Issue</b>	<b>Qty</b>	<b>List Price</b>
60	9	ZSC-SIP	Secure Internet Platform	Software Subscription	Tax Levy	Each	#####	\$ 0.84
61	10	ZSUITE-WEBENT	Business Web Suite	Software Subscription	Tax Levy	Each	#####	\$ 1.97
62	11	ZSEC-WEB-ABA	Advanced Behavioral Analysis	Software Subscription	Tax Levy	Each	#####	\$ 1.69

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33	\$ 942,450.00	Software licenses/upgrades	Tax Levy		
34	\$ 2,199,050.00	Software licenses/upgrades	Tax Levy		
35	\$ 1,884,900.00	Software licenses/upgrades	Tax Levy		
36	\$ 2,261,880.00	Software licenses/upgrades	Tax Levy		
37	\$ 1,004,250.00	Software support/maintenance	Tax Levy		
38	<b>\$ 8,292,530.00</b>				
39					
40					
41	<b>Total</b>	<b>Category Notes</b>	<b>Capital/TL</b>		
42	\$ 970,723.50	Software licenses/upgrades	Tax Levy		
43	\$ 2,265,021.50	Software licenses/upgrades	Tax Levy		
44	\$ 1,941,447.00	Software licenses/upgrades	Tax Levy		
45	\$ 2,329,736.40	Software licenses/upgrades	Tax Levy		
46	\$ 1,034,377.50	Software support/maintenance	Tax Levy		
47	<b>\$ 8,541,305.90</b>				
48					
49					
50	<b>Total</b>	<b>Category Notes</b>	<b>Capital/TL</b>		
51	\$ 999,845.21	Software licenses/upgrades	Tax Levy		
52	\$ 2,332,972.15	Software licenses/upgrades	Tax Levy		
53	\$ 1,999,690.41	Software licenses/upgrades	Tax Levy		
54	\$ 2,399,628.49	Software licenses/upgrades	Tax Levy		
55	\$ 1,065,408.83	Software support/maintenance	Tax Levy		
56	<b>\$ 8,797,545.08</b>				
57					
58					
59	<b>Total</b>	<b>Category Notes</b>	<b>Capital/TL</b>		
60	\$ 1,029,840.56	Software licenses/upgrades	Tax Levy		
61	\$ 2,402,961.31	Software licenses/upgrades	Tax Levy		
62	\$ 2,059,681.12	Software licenses/upgrades	Tax Levy		

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63	12	ZFW-NG-WITH-LOG	Cloud Firewall	Software Subscription	Tax Levy	Each	#####	\$ 2.03
64	13	ZCES-SUP-PREM	Premium Support	Software Maintenance	Tax Levy	Each	1	\$ 1,097,371.09
65	Year 5 Estimated Tax LevyTotal Cost							
66								
67	Summary							
68	Estimated Capital Total Costs							
69	Estimated Tax Levy Total Costs							
70	Estimated Total Costs							
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78	Zscaler was able to provide these core functionalities that no other OEM was able to provide.							
79	DIIT Review and Approval							
80								
81				DIIT Requestor Approval Signature:				
82							Date:	
83								
84				DIIT SLT Approval Signature:				
85							Date:	
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87				DIIT Procurement & Contract Management Approval Signature:				
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89							Date:	
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63	\$ 2,471,617.35	Software licenses/upgrades	Tax Levy		
64	\$ 1,097,371.09	Software support/maintenance	Tax Levy		
65	\$ 9,061,471.43				
66					
67					
68	\$ 23,934,000.00				
69	\$ 42,743,852.41				
70	\$ 66,677,852.41				
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# 111 8<sup>th</sup> Avenue

## New York City Data Center



DIGITAL REALTY

NYC DOE Hosting Solution 111 8<sup>th</sup>

May, 2016

# 111 8<sup>th</sup> Avenue Building Facts

## Location:

- Located in Chelsea neighborhood of Manhattan
- Occupies entire city block between
  - 8<sup>th</sup> and 9<sup>th</sup> Avenues
  - 15<sup>th</sup> and 16<sup>th</sup> Street

## Building:

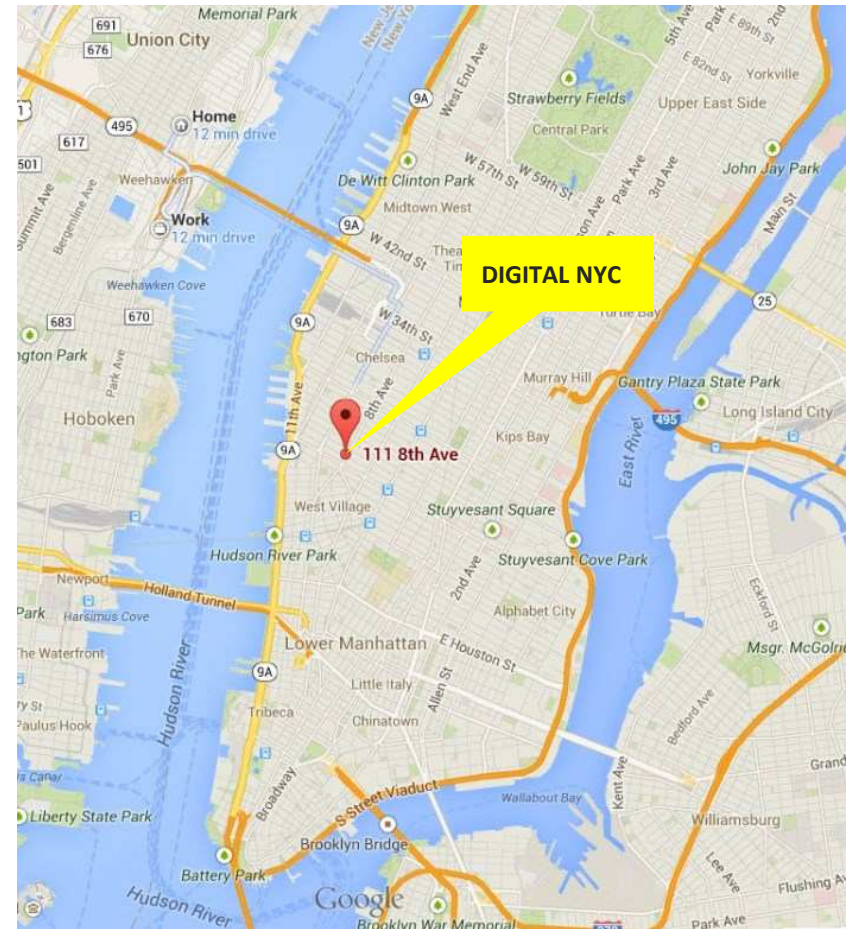
- 3<sup>rd</sup> Largest Building in Manhattan (3.14MM square feet)
- 15 Stories w/ roof space available
- Constructed in 1932 by Port Authority of New York
- Designed for warehouse and manufacturing use
- Redeveloped in 1998 as a Carrier Hotel by Taconic Investments
- Acquired in 2010 by Google for \$1.9B
- One of the most significant carrier hotels in the world

## Accessibility:

- Located on top of 14<sup>th</sup> Street station for A, C and E subway lines.

## Connectivity:

- 20+ Major Carriers Available
- Located on top of 9<sup>th</sup> Avenue-Hudson Street Fiber Highway
- Home to AMS-IX and multiple other peering networks



# 111 8<sup>th</sup> Avenue

## Suite 209 Overview

# Connectivity

## NY Metro Ecosystem Carrier Availability

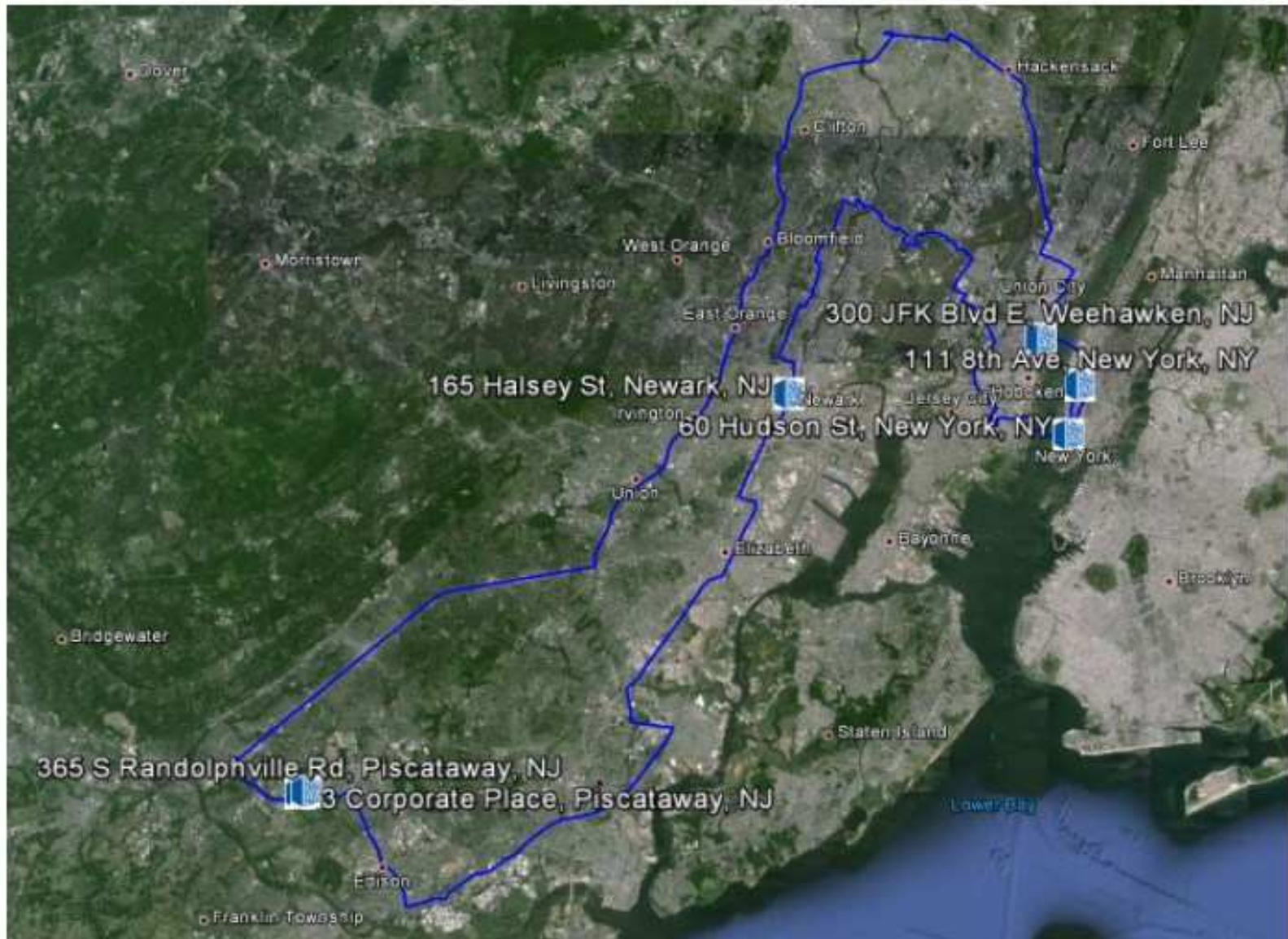
Carrier	111 8 <sup>th</sup> Avenue	Piscataway, NJ	Weehawken, NJ	Trumbull, CT
AboveNet/Zayo	X	X	X	X
AMS-IX	X			
AT&T	X	X	X	X
Bell Nexxia	X			
Brasil Telecom	X			
British Telecom	X			
Cable & Wireless	X			
CrossRiver Fiber		X		
Cogent	X			
Comcast	X			
Deutsch Telecom	X			
Fibertech			X	X
First Telecom	X			
France Telecom	X			
Hibernia Altantic	X			
Japan Telecom	X			
Level 3	X	X	X	X
Lighttower / Sidera	X	X	X	X
Lightpath	X	X	X	X
Nexgen				X
NTT America	X			
Sprint	X			
Sunesys		X		
TeliaSonera	X			
TW Telcom	X			
Verizon	X	X	X	X
XO	X	X	X	

111 8 <sup>th</sup> Ave, NY, NY	
X	Carrier is On-Net at 111 8 <sup>th</sup> Ave
X	Carrier is On-Net at Digital Realty Suite 209 MMR

Piscataway, Weehawken, Trumbull	
X	Carrier is On-Net at Digital Realty

# Connectivity

## NY/NJ Metro Ecosystem Fiber Routes





# Proposed Data Center Suite

## City of New York Dept. of Education



# Proposed Data Center Suite

## City of New York Dept. of Education



# Estimated Costs for Budget Option 1 - Five Year Option

Months	Rentable Square Footage	kW	Monthly Rent
0-12	2400	200	\$120,000
13 - 24	2400	200	\$123,600
25 - 36	2400	200	\$127,308
37 - 48	2400	200	\$131,127
49 - 60	2400	2000	\$135,061



The foregoing proposal is not an offer to lease and shall not legally bind Landlord or Tenant to conclude a transaction, and further, is subject to the negotiation, execution and delivery of mutually acceptable lease documents. This proposal is subject to Digital Realty Governance Committee approval.



# Estimated Cost for Budget - 10 Year Option

Months	Rentable Square Footage	kW	Monthly Rent
0-12	2400	200	\$110,000
13 - 24	2400	200	\$113,300
25 - 36	2400	200	\$116,699
37 - 48	2400	200	\$120,200
49 - 60	2400	200	\$123,806
61 - 72	2400	200	\$127,520
73 - 84	2400	200	\$131,346
85 - 96	2400	200	\$135,286
97 - 108	2400	200	\$139,345
109 - 120	2400	200	\$143,525

The foregoing proposal is not an offer to lease and shall not legally bind Landlord or Tenant to conclude a transaction, and further, is subject to the negotiation, execution and delivery of mutually acceptable lease documents. This proposal is subject to Digital Realty Governance Committee approval.



# Commercial Terms, continued

- Rental cost include the space & power with associated SLAs
- Includes all operations, maintenance, and replacement of the data center infrastructure
- Includes 7x24 security
- Renewal terms to be negotiated
- Electricity usage would be metered and billed monthly with no markup.



**From:** David Cuthbertson [mailto:dcuthbert@squaremilesystems.com]  
**Sent:** Wednesday, June 21, 2017 2:59 AM  
**To:** Rehawi Hayat  
**Subject:** RE: Copy of the EULA Form  
**Attachment(s):** "AssetGen Software License.pdf"

Here is the EULA

This e-mail message and any attachments are confidential and intended solely for the addressee(s) and may contain information that is privileged or exempt from disclosure under applicable law. If you are not an addressee, or have received this e-mail in error, please notify the sender immediately, delete it from your system and do not copy, disclose or otherwise act upon any part of this e-mail or its attachments.

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**From:** Rehawi Hayat [mailto:HRehawi@schools.nyc.gov]  
**Sent:** 20 June 2017 22:34  
**Cc:** Rehawi Hayat <HRehawi@schools.nyc.gov>  
**Subject:** Copy of the EULA Form

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**From:** Quinn Peter  
**Sent:** Wednesday, July 12, 2017 10:36 AM  
**To:** Ramirez Ursulina; Friedman Howard; Siciliano Lauren  
**Subject:** RE: MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET

---

**From:** Ramirez Ursulina  
**Sent:** Wednesday, July 12, 2017 11:34 AM  
**To:** Friedman Howard <HFriedman@schools.nyc.gov>; Quinn Peter <PQuinn1@schools.nyc.gov>; Siciliano Lauren <LSiciliano2@schools.nyc.gov>  
**Subject:** RE: MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET

---

**From:** Friedman Howard  
**Sent:** Wednesday, July 12, 2017 11:31 AM  
**To:** Quinn Peter <PQuinn1@schools.nyc.gov>; Ramirez Ursulina <URamirez@schools.nyc.gov>; Siciliano Lauren <LSiciliano2@schools.nyc.gov>  
**Subject:** RE: MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET

---

**From:** Quinn Peter  
**Sent:** Wednesday, July 12, 2017 11:28 AM  
**To:** Ramirez Ursulina <URamirez@schools.nyc.gov>; Siciliano Lauren <LSiciliano2@schools.nyc.gov>; Friedman Howard <HFriedman@schools.nyc.gov>  
**Subject:** RE: MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET

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**From:** Ramirez Ursulina  
**Sent:** Wednesday, July 12, 2017 11:10 AM  
**To:** Quinn Peter <PQuinn1@schools.nyc.gov>; Siciliano Lauren <LSiciliano2@schools.nyc.gov>; Friedman Howard <HFriedman@schools.nyc.gov>  
**Subject:** FW: MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET

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**From:** Mayor's Press Office [<mailto:pressoffice@cityhall.nyc.gov>]  
**Sent:** Wednesday, July 12, 2017 10:57 AM  
**To:** Mayor's Press Office <[pressoffice@cityhall.nyc.gov](mailto:pressoffice@cityhall.nyc.gov)>  
**Subject:** MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET



THE CITY OF NEW YORK  
OFFICE OF THE MAYOR  
NEW YORK, NY 10007

**FOR IMMEDIATE RELEASE:** July 12, 2017  
**CONTACT:** [pressoffice@cityhall.nyc.gov](mailto:pressoffice@cityhall.nyc.gov), (212) 788-2958

**MAYOR DE BLASIO ANNOUNCES NYC TO SUBMIT JOINT LETTER WITH OTHER CITIES AND PARTICIPATE IN A DAY OF ACTION TO PROTECT AN OPEN INTERNET**

*NYC Joins Cities & Tech Industry in a Day of Action in Opposition to the Federal Communications Commission's Pending Repeal of Net Neutrality*



**NEW YORK**—Mayor Bill de Blasio, Chief Technology Officer Miguel Gamiño and Department of Information Technology and Telecommunications Commissioner Anne Roest announced further action to protect and promote an open internet for all.

The mayors of New York City, San Francisco, Seattle, Boston and the District of Columbia today submitted a signed letter with 45 other mayors urging the Federal Communications Commission (FCC) to uphold the rules against blocking, prioritization, and other discriminatory practices by internet service providers; enforce openness, equity, and nondiscrimination in internet service. The rules continue to allow the internet to thrive as a platform for the innovation that will drive the future American economy.

The letter reinforces fundamental nondiscrimination principles:

- Commitment to transparency;
- The free flow of information over the internet;
- No blocking of lawful websites;
- No unreasonable discrimination of lawful network traffic; and
- No paid prioritization

“Net neutrality is a cornerstone of equity, opportunity and communication,” says **Mayor Bill de Blasio**. “Transparent and open internet is a fundamental right of every citizen, and overturning net neutrality policies would be an affront to our democracy. Today I stand with other mayors against the repeal of those rules.”

“A free, open internet is vital to residents and businesses throughout Boston,” said **Boston Mayor Marty Walsh**. “Net neutrality is one tool we have to create an equal playing field for all, and I stand with mayors throughout the U.S. to support an open internet.”

“The internet is no longer a luxury for the select few,” said **San Francisco Mayor Edwin M. Lee**. “It is an essential tool for communication, education and community-building, and plays a vital role in the democracy of this country. The FCC is threatening to eliminate net neutrality rules that protect the democratic principles of the internet. It is critical that cities from across the country fight back against this action and stand up for an equitable, open internet.”

“Individuals should be free to access the Internet without discriminatory practices applied to services and websites,” said **Seattle Mayor Ed Murray**. “I encourage everyone to speak up and let the FCC know these rules should be kept in place. This is about equity and the ability for everyone to access the internet.”

NYC will also participate in today’s Day of Action to Save Net Neutrality.

New York City will provide educational information to visitors to the NYC.gov web page. On the page, the public will be able to learn more about net neutrality, how it affects New York City, and about an open comment period during which New Yorkers’ voice may be heard by the FCC. Residents of New York City have the right to comment to the federal government about the repeal. Whatever their opinions may be, an open internet currently allows New Yorkers to communicate effectively with all levels of government. The first comment deadline to the FCC is July 17, 2017.

“Net neutrality fosters technological advancements and enables our ability to participate in a modern world and benefit from fair competition” said **Miguel Gamiño, New York City Chief Technology Officer**. “Without net neutrality, individuals and entrepreneurs are not guaranteed to be on equal ground with companies that can monopolize the internet potentially in favor of their own content or services.”

“Make no mistake: the pending repeal of net neutrality is a turning point for technology, for the economy, and for our culture at large,” said **Anne Roest, Commissioner of the Department of Information Technology and Telecommunications**. “The FCC is considering handing the internet to corporations to discriminate against users at will, limiting access to the highest bidders and stifling innovation along the way. This is unacceptable. The internet is like electricity or water—a utility that should be equally available to all.”

Historically, the public has spoken up and been heard on these issues. The FCC’s 2015 Order Protecting and Promoting the Open Internet under then-Chair Tom Wheeler reclassified internet service as a telecommunication service under Title II of the Telecommunications Act. The move came after a lengthy legal and regulatory process during which nearly 4 million people submitted comments, mostly in favor of strong open internet protections under Title II.

NYC has consistently worked to promote a free internet. In 2014, Mayor de Blasio signed a letter with the mayors of San Francisco and Portland asking the FCC to issue the strongest possible rules to guarantee net neutrality.

“Our businesses and innovators depend on equal access to the internet, where they are charged for the amount of data they can upload and download regardless of the type of data or that data’s point of origin or destination. And contrary to the assertions of some large service providers, there is no evidence that preserving net neutrality has reduced their incentive to invest in infrastructure,” said **Manhattan Borough President Gale A. Brewer**. “Allowing internet service providers to price-discriminate based on ‘what kind of data goes through the pipe’ rather than simply ‘the size of the pipe’ will make our country a dramatically less attractive environment for investment and job creation in the tech sector.”

“The internet plays a fundamental role in our everyday lives and the modern public sphere,” said **Council Member James Vacca, Chair of the New York City Committee on Technology**. “A discriminatory internet—what would likely result from the repeal of net

neutrality regulations—poses a threat to creativity, innovation, and democracy. We must do everything we can to advocate and gather support for a neutral net, and I’m happy to see our City taking these important actions.”

"We already won protections for the Internet as free and open, but must be ever vigilant in defending it from large corporations who want control over the Internet and its content," said **Council Member Ben Kallos** who introduced Resolution 573 and authored testimony to the FCC with Council Members in 2014. "Thank you to Mayor Bill de Blasio, Chief Technology Officer Miguel Gamino, and Commissioner Anne Roest for joining with other cities in a day of action in the fight for net neutrality."

"We applaud the nation's mayors for stepping up to defend the free and open Internet," said **Craig Aaron, president and CEO of Free Press**. "Local leaders understand how important an affordable Internet, free from blocking and discrimination, is to everyone who wants to start a new business, organize in their communities, communicate with their families and connect to local governments. We need strong protections like the ones adopted by the FCC in 2015.

The current Net Neutrality rules have helped the New York technology community grow exponentially, creating thousands of new good paying jobs while becoming the most diverse tech ecosystem in the country” said **Andrew Rasiej, Chairman of the 55,000 member NY Tech Alliance**. “Rolling back any provisions of Net Neutrality would significantly damage this momentum and prevent New York and the nation from effectively building a 21st century economy that supports all industries and provides opportunity to all people equally.”

"Our sellers depend on a free and open internet to build their businesses and compete with much bigger brands,” said **Althea Erickson, Senior Director of Global Policy, Etsy**. “Participating in the day of action is one way we plan to continue fighting for net neutrality and our sellers. On July 12th, we will be urging our community to contact the FCC and Congress to stand up for net neutrality."

"The fight for net neutrality is a fight for creativity, innovation, and free expression in the digital age,” said **Michal Rosenn, General Counsel, Kickstarter**. “Society and culture benefit from an open internet where all ideas — not just those of the privileged few — can be heard."

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